



OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	ABNORMAL
FLUID CONDITION	ATTENTION



Machine Id
CL713 18-SIMP-01-001-M (S/N OY2214)
Component
MACK E7460 Front Diesel Engine
Fluid
SHELL ROTELLA T 15W40 (36 LTR)



PRODUIT : ZP-700 ADDITIF MOTEUR - Cas d'étude #13-a / 1de4

RECOMMENDATION

Texte & Soulignement en bleu par Adrenalube

We advise that you check for the source of the coolant leak. We recommend that you drain the oil from the component if this has not already been done. We advise that you flush the component thoroughly before re-filling with oil. We recommend an early resample to monitor this condition.

Commentaires :

Ce camion dompeur (12 roues), terre, pierre, neige.
History2 : L'huile a été changée et analysée avant le premier traitement (recommandation).
Routine changements d'huile, sans le ZP-700, 250 h.
Ajout de 2L / ZP-700 (5%).

WEAR

All component wear rates are normal.

CONTAMINATION

Test for glycol is positive. There is a light concentration of glycol present in the oil.

Commentaires :

History1: Le test positif de glycol peut provenir d'une réaction avec autre chose. De source incertaine pour l'instant et aucune usure y est associée. Recommandation - échantillonner de nouveau dans 50h.

FLUID CONDITION

The oil is no longer serviceable due to the presence of contaminants.

Commentaires :

Current : La concentration de glycol n'a pas augmentée, donc une fuite n'est pas indiquée.

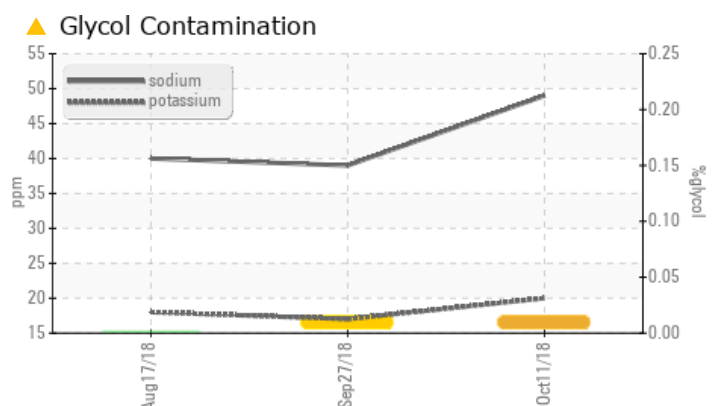
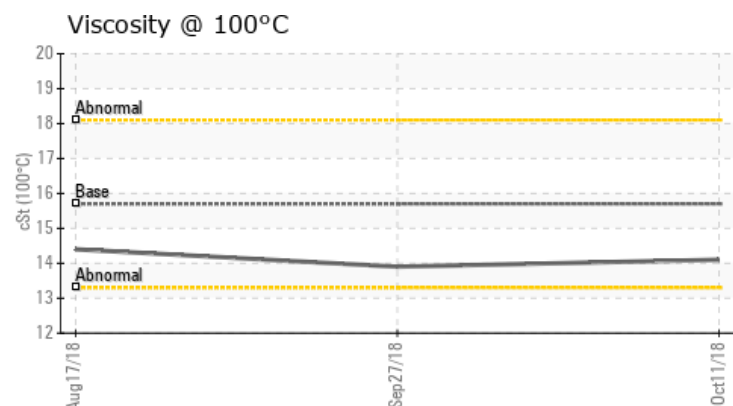
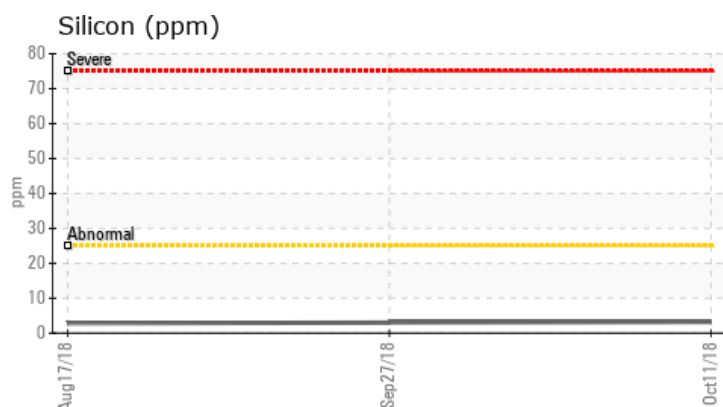
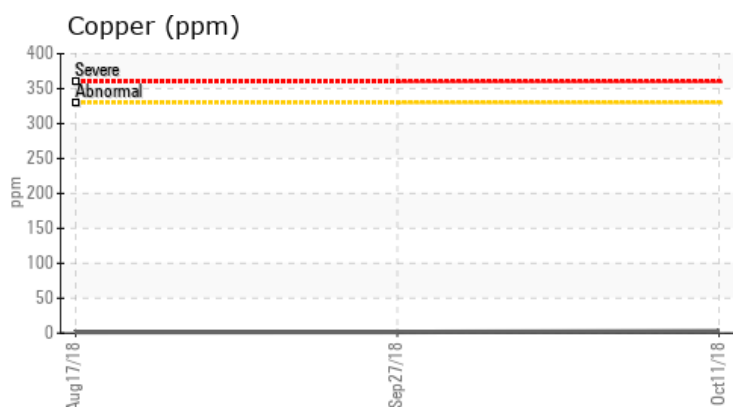
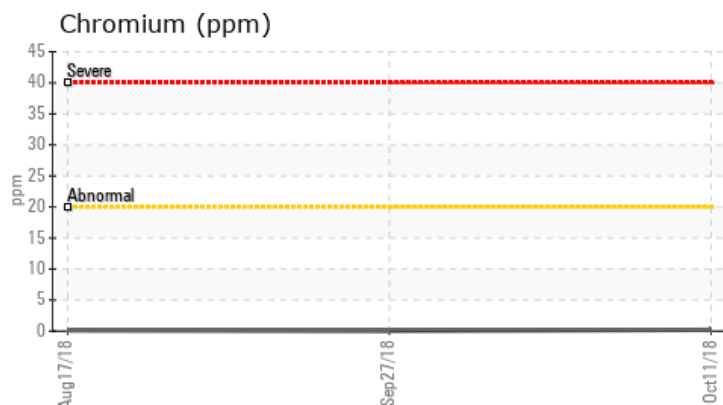
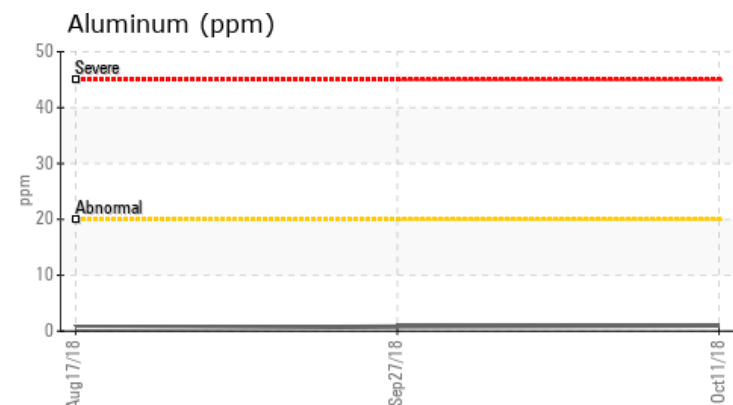
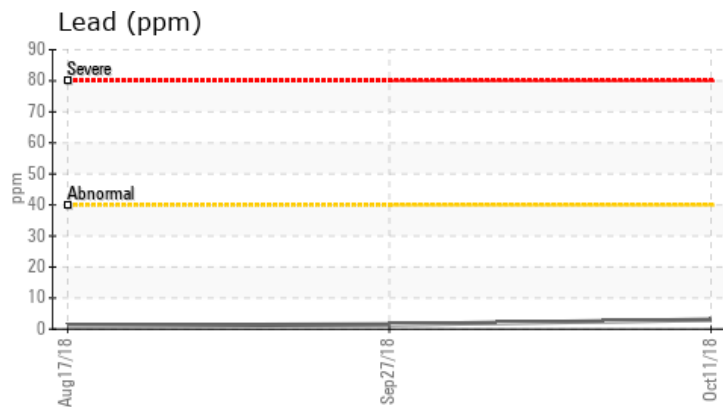
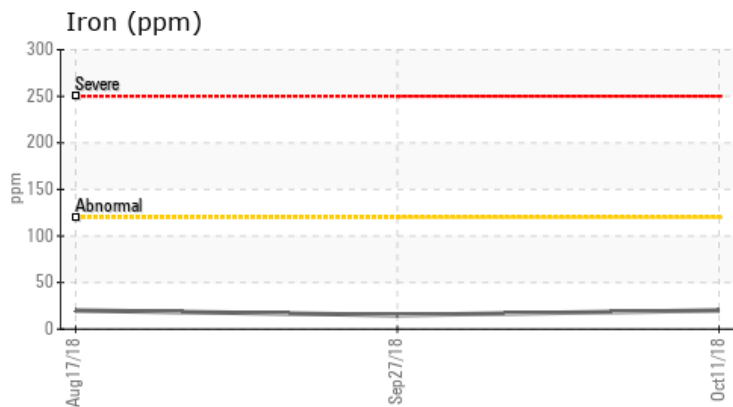
État de l'huile acceptable tenant compte des commentaires.

Planifier un changement d'huile pour éliminer les traces de glycol.

Échantillonnez de nouveau dans 500 h.

Report Id: PIELAP [WCAMIS] 02245540 (Generated: 10/17/2018 15:09:29)

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number				WC113351	WC113345	WC112692
Sample Date				11 Oct 2018	27 Sep 2018	17 Aug 2018
Machine Age	hrs			5540	5115	4800
Oil Age	hrs			425	315	250
Filter Age	hrs			425	315	250
Oil Changed				Not Changed	Not Changed	Changed
Filter Changed				Not Changed	Not Changed	Changed
Sample Status				ABNORMAL	ABNORMAL	NORMAL
Iron	ppm	ASTM D5185	>120	20	15	20
Chromium	ppm	ASTM D5185	>20	<1	0	<1
Nickel	ppm	ASTM D5185	>5	0	0	<1
Titanium	ppm	ASTM D5185	>2	0	0	0
Silver	ppm	ASTM D5185	>2	0	0	0
Aluminum	ppm	ASTM D5185	>20	1	<1	<1
Lead	ppm	ASTM D5185	>40	3	2	1
Copper	ppm	ASTM D5185	>330	3	2	1
Tin	ppm	ASTM D5185	>15	0	0	0
Vanadium	ppm	ASTM D5185		0	0	0
Silicon	ppm	ASTM D5185	>25	3	3	3
Potassium	ppm	ASTM D5185	>20	▲ 20	▲ 17	18
Fuel		ASTM D3524	>3.0	<1.0	<1.0	<1.0
Glycol	%	ASTM D2982		▲ 0.015	▲ 0.015	0.0
Soot %	%	ASTM D7686	>4	2.3	1.7	1.9
Nitration	Abs/cm	ASTM D7624	>20	10.2	9.0	9.0
Sulfation	Abs/.1mm	ASTM D7415	>30	26.0	24.3	24.0
Emulsified Water	scalar	Visual	>0.2	NEG	NEG	NEG
Sodium	ppm	ASTM D5185		▲ 49	▲ 39	40
Boron	ppm	ASTM D5185	35	53	69	67
Barium	ppm	ASTM D5185	0	0	0	0
Molybdenum	ppm	ASTM D5185	0	10	10	<1
Manganese	ppm	ASTM D5185	0	<1	<1	<1
Magnesium	ppm	ASTM D5185	10	12	10	11
Calcium	ppm	ASTM D5185	2340	2087	2097	2130
Phosphorus	ppm	ASTM D5185	1110	880	886	950
Zinc	ppm	ASTM D5185	1210	1091	1093	1099
Sulfur	ppm	ASTM D5185	3890	2808	2823	2920
Oxidation	Abs/.1mm	ASTM D7414	>25	18.3	17.2	16.7
Visc @ 100°C	cSt	ASTM D7279	15.7	14.1	13.9	14.4



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : WC113351
Lab Number : 02245540
Unique Number : 4760706
Test Package : MOB 1
Received : 17 Oct 2018
Diagnosed : 17 Oct 2018
Diagnostician : Kevin Marson

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To discuss diagnosis or test data, contact Technical Support at 1-800-268-2131.
 To change component or sample information, contact Customer Service at 1-800-268-2131.