MOB LUBE 360 OIL DIAGNOSTICS

OIL ANALYSIS REPORT

WEAR	ABNORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Machine Id
INTERNATIONAL 1071
Component
Diesel Engine
Fluid
PETRO CANADA DURON SHP 10W30 (--- GAL)

RECOMMENDATION

Nous vous recommandons de vidanger l`huile de ce composant si vous ne l`avez pas déjà fait. Nous vous recommandons d`échantillonner de nouveau dès que possible afin de contrôler la situation.

WEAR

Usure de cylindre, de vilebrequin ou d`arbre à cames.

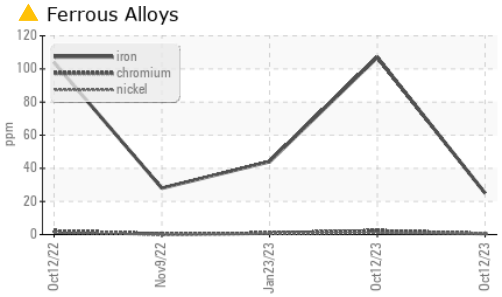
CONTAMINATION

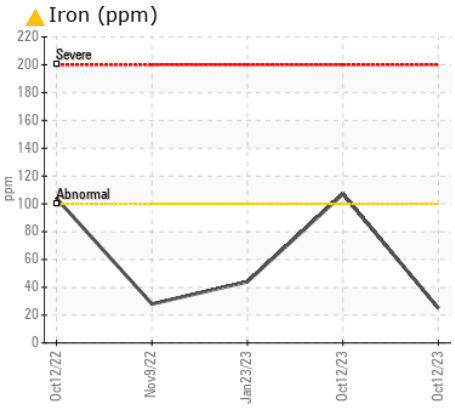
Elevated aluminum (Al) and/or lead (Pb) and potassium (K) levels in your metals analysis are likely a result of solder flux release into the lubricant and is common on new equipment/components. Il n`y a aucun indice de contamination dans l`huile.

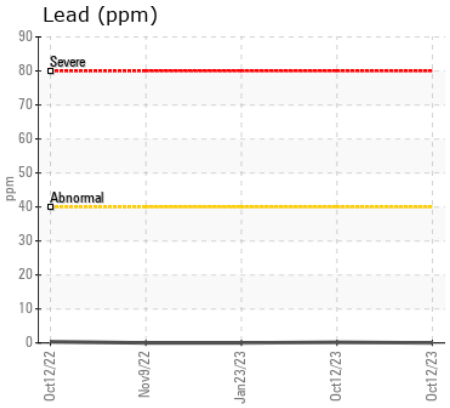
FLUID CONDITION

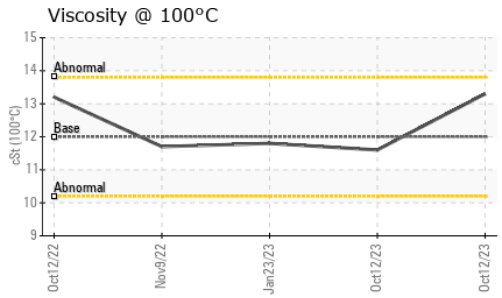
l`huile n'est plus en état de service en raison d'une usure anomale et/ou sévère.

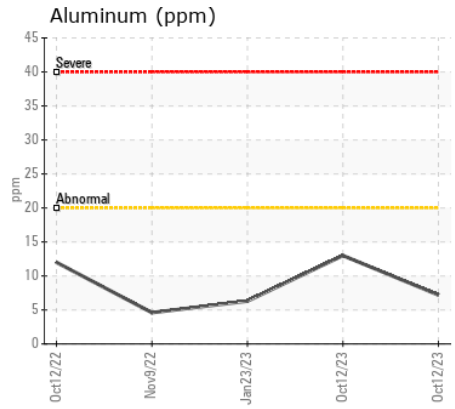
Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		PC0072180	PC0072215	PC0066926
Sample Date		Client Info		12 Oct 2023	12 Oct 2023	23 Jan 2023
Machine Age	hrs	Client Info		114658	114655	38234
Oil Age	hrs	Client Info		21054	21054	38234
Filter Age	hrs	Client Info		21054	21054	38234
Oil Changed		Client Info		Not Changd	Not Changd	Not Changd
Filter Changed		Client Info		Not Changd	Not Changd	Not Changd
Sample Status				ABNORMAL	NORMAL	NORMAL
PQ		ASTM D8184*		0	---	---
Iron	ppm	ASTM D5185(m)	>100	▲ 107	25	44
Chromium	ppm	ASTM D5185(m)	>20	2	<1	<1
Nickel	ppm	ASTM D5185(m)	>4	1	<1	<1
Titanium	ppm	ASTM D5185(m)		0	0	<1
Silver	ppm	ASTM D5185(m)	>3	<1	0	<1
Aluminum	ppm	ASTM D5185(m)	>20	13	7	6
Lead	ppm	ASTM D5185(m)	>40	<1	0	0
Copper	ppm	ASTM D5185(m)	>330	11	2	11
Tin	ppm	ASTM D5185(m)	>15	2	<1	1
Vanadium	ppm	ASTM D5185(m)		0	0	0
White Metal	scalar	Visual*	NONE	VLITE	VLITE	---
Yellow Metal	scalar	Visual*	NONE	NONE	NONE	---
Silicon	ppm	ASTM D5185(m)	>25	12	4	15
Potassium	ppm	ASTM D5185(m)	>20	17	6	12
Fuel		WC Method	>2.0	<1.0	<1.0	<1.0
Water		WC Method	>0.2	NEG	NEG	NEG
Glycol		WC Method		NEG	0.0	NEG
Soot %	%	ASTM D7844*	>3	0.9	0.3	0.2
Nitration	Abs/cm	ASTM D7624*	>20	15.8	9.6	12.2
Sulfation	Abs/.1mm	ASTM D7415*	>30	28.2	20.7	24.5
Silt	scalar	Visual*	NONE	NONE	NONE	---
Debris	scalar	Visual*	NONE	NONE	NONE	---
Sand/Dirt	scalar	Visual*	NONE	NONE	NONE	---
Appearance	scalar	Visual*	NORML	NORML	NORML	---
Odor	scalar	Visual*	NORML	NORML	NORML	NORML
Emulsified Water	scalar	Visual*	>0.2	NEG	NEG	NEG
Sodium	ppm	ASTM D5185(m)		5	2	6
Boron	ppm	ASTM D5185(m)	2	11	2	21
Barium	ppm	ASTM D5185(m)	0	2	0	3
Molybdenum	ppm	ASTM D5185(m)	50	57	59	52
Manganese	ppm	ASTM D5185(m)	0	5	<1	6
Magnesium	ppm	ASTM D5185(m)	950	934	970	837
Calcium	ppm	ASTM D5185(m)	1050	1247	1120	1287
Phosphorus	ppm	ASTM D5185(m)	995	898	1020	761
Zinc	ppm	ASTM D5185(m)	1180	1037	1175	895
Sulfur	ppm	ASTM D5185(m)	2600	2183	2595	2054
Oxidation	Abs/.1mm	ASTM D7414*	>25	28.9	17.6	23.0
Visc @ 40°C	cSt	ASTM D7279(m)	80.1	95.2	77.1	80.9
Visc @ 100°C	cSt	ASTM D7279(m)	12.00	13.3	11.6	11.8
Viscosity Index (VI)	Scale	ASTM D2270*	144	139	143	139

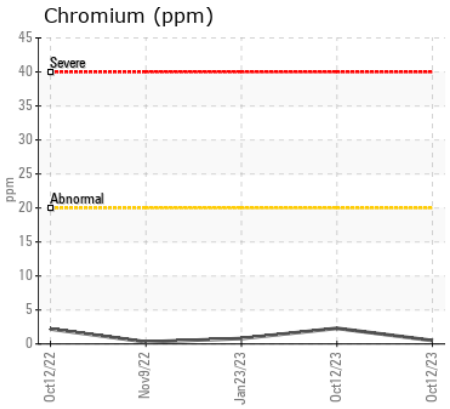


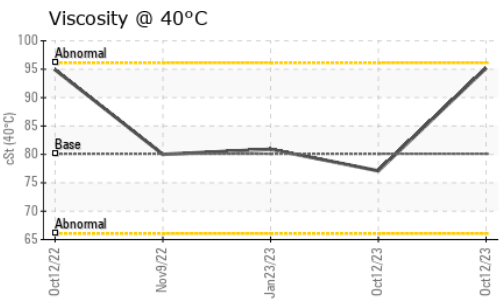


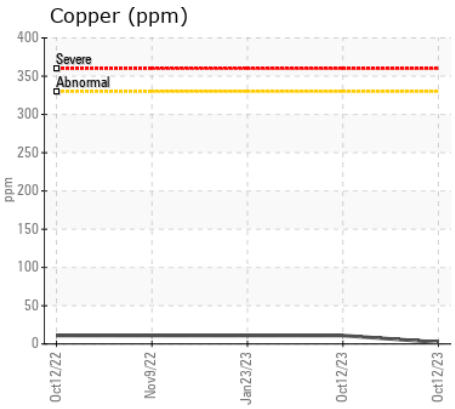


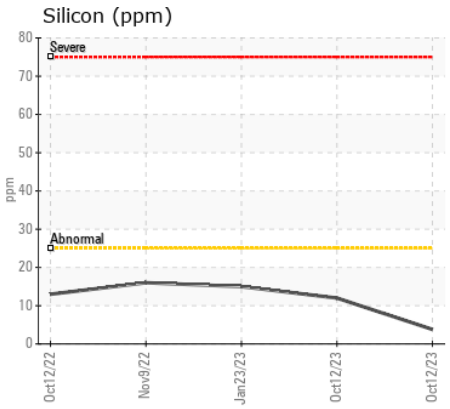


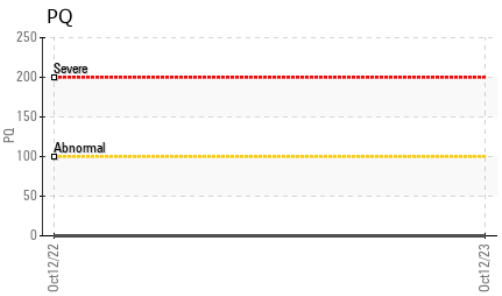


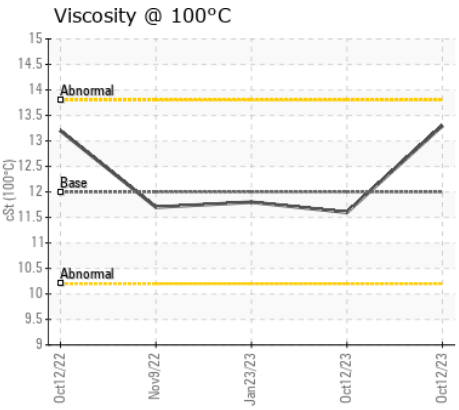


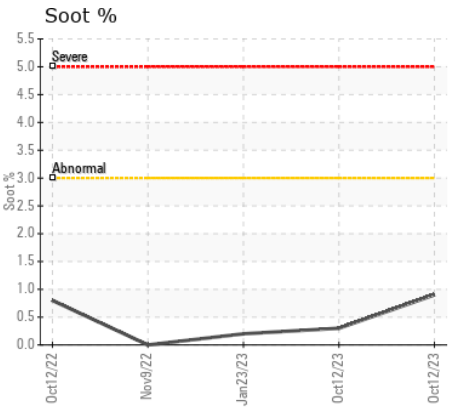












ISO 17025:2017 Accredited Laboratory

Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : PC0072180 **Recieved** : 12 Jan 2024
Lab Number : 02608473 **Diagnosed** : 15 Jan 2024
Unique Number : 5709559 **Diagnostician** : Kevin Marson
Test Package : MOB 1 (Additional Tests: KV40, PQ, VI, Visual)

To discuss this sample report, contact Customer Service at 1-800-268-2131.
Test denoted (*) outside scope of accreditation, (m) method modified, (e) tested at external lab.
Validity of results and interpretation are based on the sample and information as supplied.

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