MOB I LUBE 360™ OIL DIAGNOSTICS

OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Area
CAPLAN
Machine Id
#414005
Component
Front Diesel Engine
Fluid
PETRO CANADA DURON SHP 10W30 (36 LTR)

RECOMMENDATION

Échantillonner de nouveau l`équipement au prochain intervalle de vidange afin d`en surveiller la condition.

WEAR

Les taux de métaux sont typiques pour la période de rodage d`un nouveau composant.

CONTAMINATION

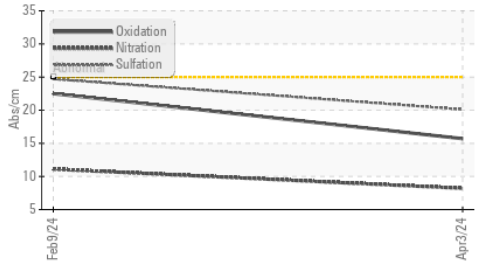
Elevated aluminum (Al) and/or lead (Pb) and potassium (K) levels in your metals analysis are likely a result of solder flux release into the lubricant and is common on new equipment/components. Il n`y a aucun indice de contamination dans l`huile.

FLUID CONDITION

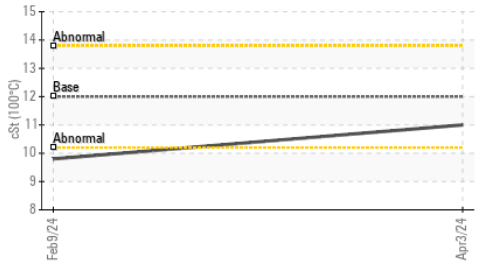
L`état de l`huile est acceptable pour la durée de service.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		GFL0113515	GFL0091114	---
Sample Date		Client Info		03 Apr 2024	09 Feb 2024	---
Machine Age	hrs	Client Info		916	627	---
Oil Age	hrs	Client Info		289	627	---
Filter Age	hrs	Client Info		289	627	---
Oil Changed		Client Info		Changed	Changed	---
Filter Changed		Client Info		Changed	Changed	---
Sample Status				NORMAL	NORMAL	---
Iron	ppm	ASTM D5185(m)	>120	15	48	---
Chromium	ppm	ASTM D5185(m)	>20	0	<1	---
Nickel	ppm	ASTM D5185(m)	>15	2	10	---
Titanium	ppm	ASTM D5185(m)	>2	0	0	---
Silver	ppm	ASTM D5185(m)	>3	<1	<1	---
Aluminum	ppm	ASTM D5185(m)	>20	4	15	---
Lead	ppm	ASTM D5185(m)	>40	5	6	---
Copper	ppm	ASTM D5185(m)	>330	207	248	---
Tin	ppm	ASTM D5185(m)	>15	<1	4	---
Vanadium	ppm	ASTM D5185(m)		0	0	---
Silicon	ppm	ASTM D5185(m)	>25	10	59	---
Potassium	ppm	ASTM D5185(m)	>20	7	32	---
Fuel		WC Method	>3.0	<1.0	0.4	---
Water		WC Method	>0.2	NEG	NEG	---
Glycol		WC Method		NEG	NEG	---
Soot %	%	ASTM D7844*	>4	0.1	0.2	---
Nitration	Abs/cm	ASTM D7624*	>20	8.2	11.1	---
Sulfation	Abs/.1mm	ASTM D7415*	>30	20.1	24.7	---
Emulsified Water	scalar	Visual*	>0.2	NEG	NEG	---
Sodium	ppm	ASTM D5185(m)		1	4	---
Boron	ppm	ASTM D5185(m)	2	19	141	---
Barium	ppm	ASTM D5185(m)	0	0	<1	---
Molybdenum	ppm	ASTM D5185(m)	50	67	116	---
Manganese	ppm	ASTM D5185(m)	0	<1	4	---
Magnesium	ppm	ASTM D5185(m)	950	857	703	---
Calcium	ppm	ASTM D5185(m)	1050	1185	1388	---
Phosphorus	ppm	ASTM D5185(m)	995	956	703	---
Zinc	ppm	ASTM D5185(m)	1180	1124	782	---
Sulfur	ppm	ASTM D5185(m)	2600	2492	2062	---
Oxidation	Abs/.1mm	ASTM D7414*	>25	15.7	22.5	---
Visc @ 100°C	cSt	ASTM D7279(m)	12.00	11.0	9.8	---

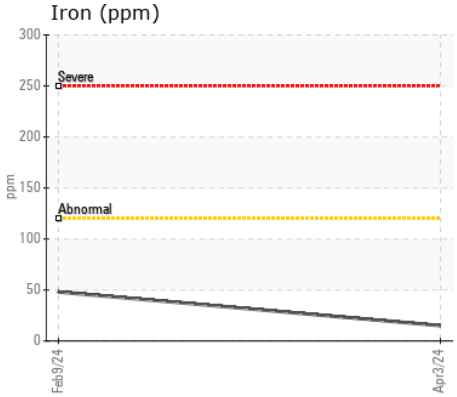
FT-IR (Direct Trend)



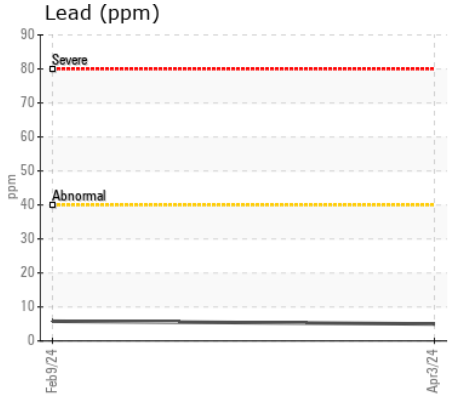
Viscosity @ 100°C



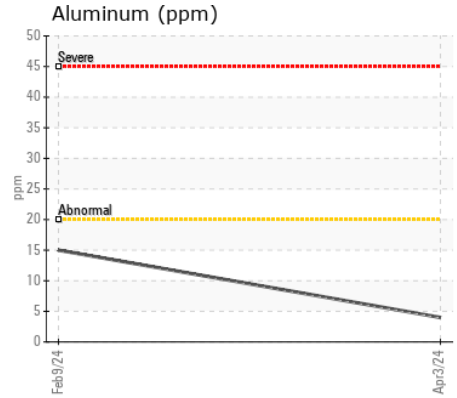
Iron (ppm)



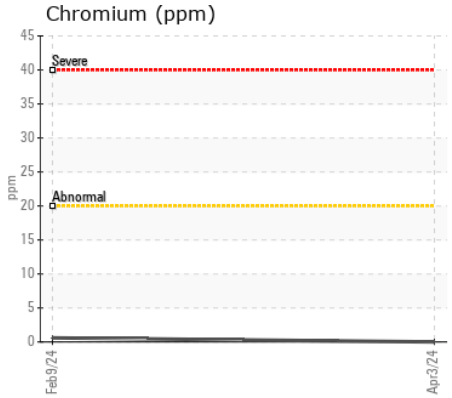
Lead (ppm)



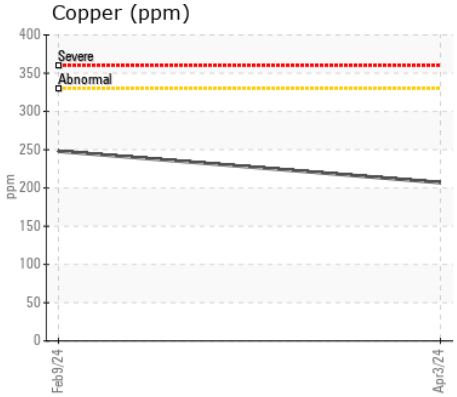
Aluminum (ppm)



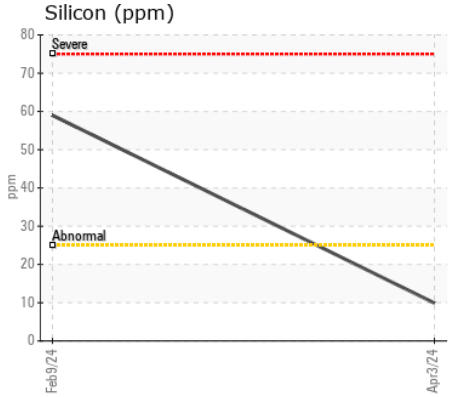
Chromium (ppm)



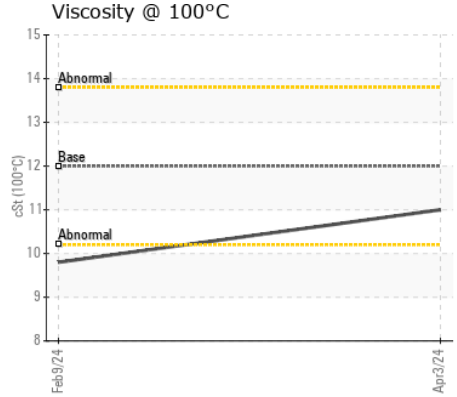
Copper (ppm)



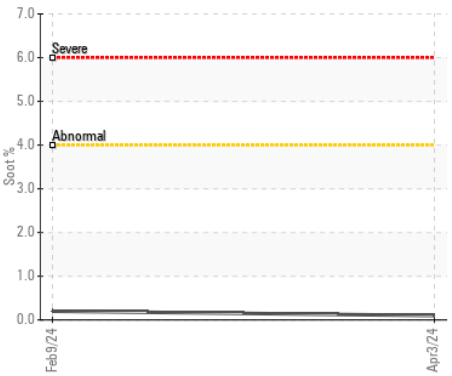
Silicon (ppm)



Viscosity @ 100°C



Soot %



ISO 17025:2017 Accredited Laboratory

Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : GFL0113515
Lab Number : 02628321
Unique Number : 5761453
Test Package : MOB 1

Received : 12 Apr 2024
Tested : 12 Apr 2024
Diagnosed : 12 Apr 2024 - Kevin Marson

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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