MOBIL LUBE 360 OIL DIAGNOSTICS

OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Machine Id
8397
Component
Diesel Engine
Fluid
PETRO CANADA 10W30 (--- GAL)

RECOMMENDATION

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

WEAR

Les taux d'usure de tous les composants sont normaux.

CONTAMINATION

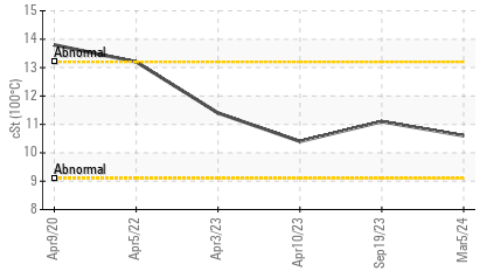
Elevated aluminum (Al) and/or lead (Pb) and potassium (K) levels in your metals analysis are likely a result of solder flux release into the lubricant and is common on new equipment/components. Il n`y a aucun indice de contamination dans l'huile.

FLUID CONDITION

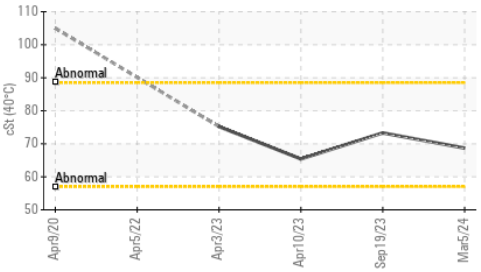
L'état de l'huile est acceptable pour la durée de service.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		**PC0081998**	PC0077999	PC0071852
Sample Date		Client Info		**05 Mar 2024**	19 Sep 2023	10 Apr 2023
Machine Age	kms	Client Info		**253359**	239738	228164
Oil Age	kms	Client Info		**0**	0	0
Filter Age	kms	Client Info		**0**	0	0
Oil Changed		Client Info		**N/A**	Changed	Changed
Filter Changed		Client Info		**N/A**	Changed	Changed
Sample Status				**NORMAL**	NORMAL	NORMAL
Iron	ppm	ASTM D5185(m)	>75	**58**	54	17
Chromium	ppm	ASTM D5185(m)	>5	**2**	2	<1
Nickel	ppm	ASTM D5185(m)	>4	**1**	<1	<1
Titanium	ppm	ASTM D5185(m)	>2	**0**	<1	<1
Silver	ppm	ASTM D5185(m)	>2	**<1**	<1	0
Aluminum	ppm	ASTM D5185(m)	>15	**12**	6	3
Lead	ppm	ASTM D5185(m)	>25	**1**	<1	0
Copper	ppm	ASTM D5185(m)	>100	**4**	3	2
Tin	ppm	ASTM D5185(m)	>4	**0**	<1	<1
Vanadium	ppm	ASTM D5185(m)		**0**	0	0
Silicon	ppm	ASTM D5185(m)	>25	**6**	8	5
Potassium	ppm	ASTM D5185(m)	>20	**12**	0	1
Fuel		WC Method	>3.0	**<1.0**	<1.0	<1.0
Water		WC Method	>0.2	**NEG**	NEG	NEG
Glycol		WC Method		**NEG**	NEG	NEG
Soot %	%	ASTM D7844*	>6	**0.7**	0.9	0.3
Nitration	Abs/cm	ASTM D7624*	>20	**12.5**	12.0	8.9
Sulfation	Abs/.1mm	ASTM D7415*	>30	**26.5**	25.2	19.5
Emulsified Water	scalar	Visual*	>0.2	**NEG**	NEG	NEG
Sodium	ppm	ASTM D5185(m)		**3**	3	4
Boron	ppm	ASTM D5185(m)		**15**	7	25
Barium	ppm	ASTM D5185(m)		**0**	0	0
Molybdenum	ppm	ASTM D5185(m)		**18**	61	61
Manganese	ppm	ASTM D5185(m)		**<1**	<1	<1
Magnesium	ppm	ASTM D5185(m)		**175**	965	822
Calcium	ppm	ASTM D5185(m)		**2038**	1112	1101
Phosphorus	ppm	ASTM D5185(m)		**873**	1040	994
Zinc	ppm	ASTM D5185(m)		**1027**	1230	1090
Sulfur	ppm	ASTM D5185(m)		**2836**	2357	2514
Oxidation	Abs/.1mm	ASTM D7414*	>25	**19.8**	21.6	15.6
Visc @ 40°C	cSt	ASTM D7279(m)		**68.7**	73.3	65.4
Visc @ 100°C	cSt	ASTM D7279(m)		**10.6**	11.1	10.4
Viscosity Index (VI)	Scale	ASTM D2270*		**142**	141	146

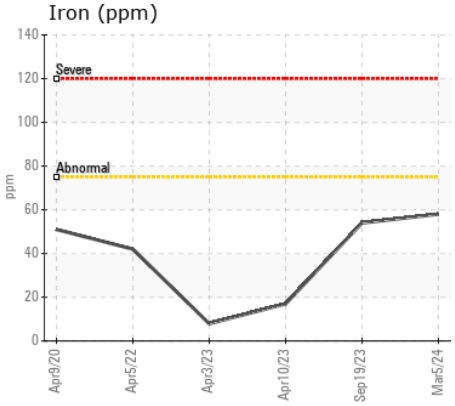
Viscosity @ 100°C



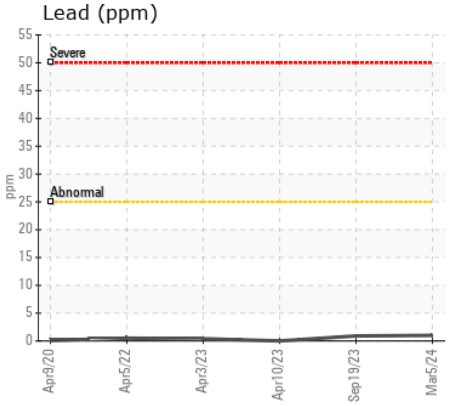
Viscosity @ 40°C



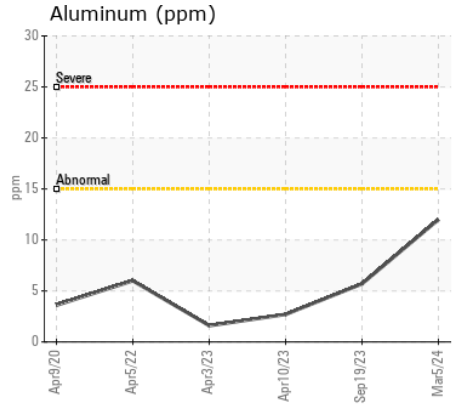
Iron (ppm)



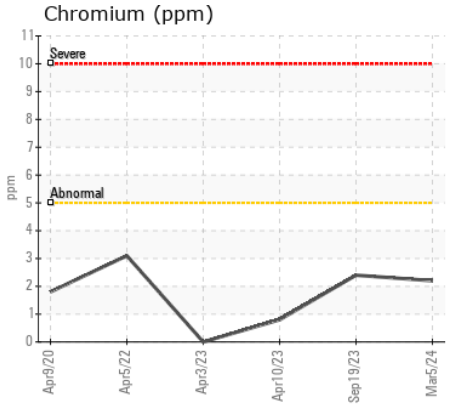
Lead (ppm)



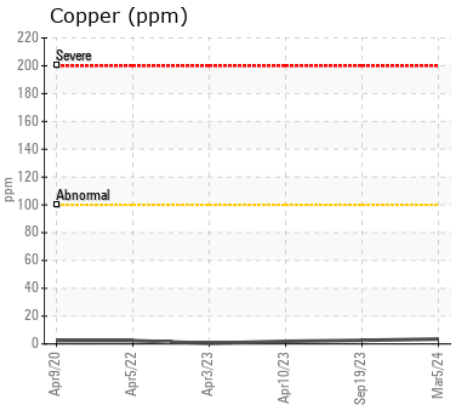
Aluminum (ppm)



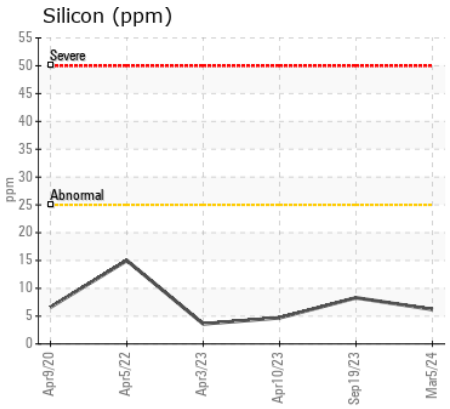
Chromium (ppm)



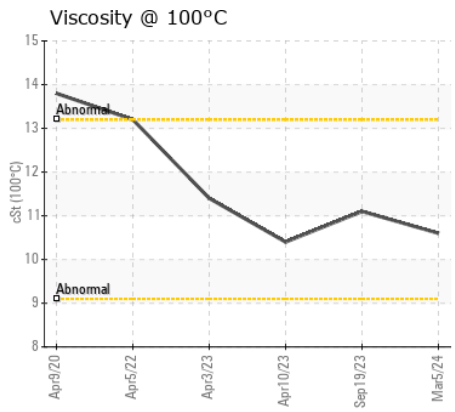
Copper (ppm)



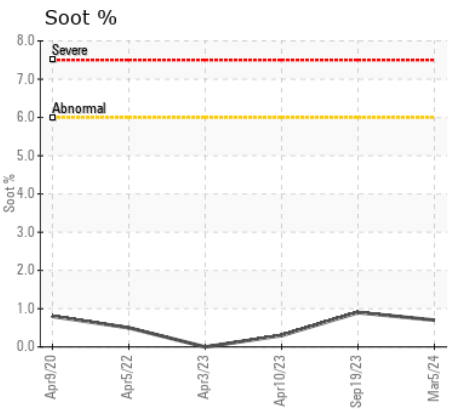
Silicon (ppm)



Viscosity @ 100°C



Soot %



ISO 17025:2017 Accredited Laboratory

Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : PC0081998
Lab Number : 02620764
Unique Number : 5737874
Test Package : MOB 1 (Additional Tests: KV40, VI)

Received : 08 Mar 2024
Tested : 08 Mar 2024
Diagnosed : 08 Mar 2024 - Wes Davis

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.

GFL Environmental - 742 - Quebec City Solid Waste
5160 Jean-Talon Pierre-Bertrand Bou
Quebec City, QC
CA G2J 1B7
Contact: Jean Audet
Jaudet@matrec.ca
T: (418)624-0080
F: