MOB I LUBE 360™ OIL DIAGNOSTICS

OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Machine Id
701059
Component
Diesel Engine
Fluid
PETRO CANADA DURON SAE 10W30 (--- GAL)

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

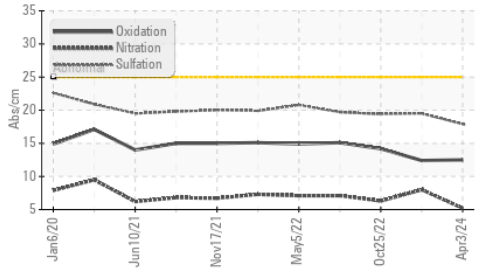
Elevated aluminum (Al) and/or lead (Pb) and potassium (K) levels in your metals analysis are likely a result of solder flux release into the lubricant and is common on new equipment/components. Il n`y a aucun indice de contamination dans l'huile.

FLUID CONDITION

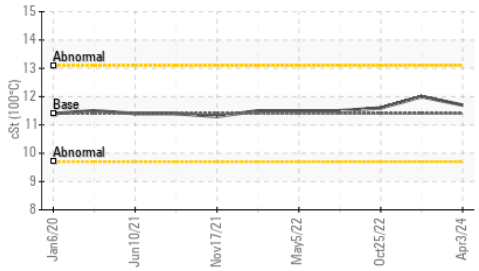
L'état de l'huile est acceptable pour la durée de service.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		**PC0082192**	PC0082201	PC0065492
Sample Date		Client Info		**03 Apr 2024**	18 Mar 2024	25 Oct 2022
Machine Age	kms	Client Info		**10460**	16115	127850
Oil Age	kms	Client Info		**127850**	0	0
Filter Age	kms	Client Info		**127850**	0	0
Oil Changed		Client Info		**Changed**	N/A	N/A
Filter Changed		Client Info		**Changed**	N/A	N/A
Sample Status				**NORMAL**	ABNORMAL	NORMAL
Iron	ppm	ASTM D5185(m)	>200	**7**	22	5
Chromium	ppm	ASTM D5185(m)	>6	**<1**	2	<1
Nickel	ppm	ASTM D5185(m)	>3	**0**	0	0
Titanium	ppm	ASTM D5185(m)	>2	**0**	0	<1
Silver	ppm	ASTM D5185(m)	>2	**0**	<1	0
Aluminum	ppm	ASTM D5185(m)	>50	**7**	18	3
Lead	ppm	ASTM D5185(m)	>10	**0**	3	0
Copper	ppm	ASTM D5185(m)	>50	**36**	▲ 160	2
Tin	ppm	ASTM D5185(m)	>6	**0**	0	0
Vanadium	ppm	ASTM D5185(m)		**0**	0	0
Silicon	ppm	ASTM D5185(m)	>50	**2**	2	3
Potassium	ppm	ASTM D5185(m)	>20	**8**	25	2
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*	>3	**0**	0.3	0.1
Nitration	Abs/cm	ASTM D7624*	>20	**5.2**	8.0	6.3
Sulfation	Abs/.1mm	ASTM D7415*	>30	**17.9**	19.5	19.4
Emulsified Water	scalar	Visual*	>0.2	**NEG**	NEG	NEG
Sodium	ppm	ASTM D5185(m)		**2**	4	1
Boron	ppm	ASTM D5185(m)	1	**17**	20	8
Barium	ppm	ASTM D5185(m)	1	**0**	0	0
Molybdenum	ppm	ASTM D5185(m)	1	**49**	20	61
Manganese	ppm	ASTM D5185(m)	1	**0**	0	<1
Magnesium	ppm	ASTM D5185(m)	10	**753**	206	949
Calcium	ppm	ASTM D5185(m)	2942	**1191**	1941	1104
Phosphorus	ppm	ASTM D5185(m)	1102	**924**	863	1042
Zinc	ppm	ASTM D5185(m)	1351	**1094**	1051	1163
Sulfur	ppm	ASTM D5185(m)	3903	**2551**	2677	2555
Oxidation	Abs/.1mm	ASTM D7414*	>25	**12.5**	12.4	14.2
Visc @ 40°C	cSt	ASTM D7279(m)	74.0	**77.2**	81.2	76.5
Visc @ 100°C	cSt	ASTM D7279(m)	11.4	**11.7**	12.0	11.6
Viscosity Index (VI)	Scale	ASTM D2270*	146	**145**	142	144

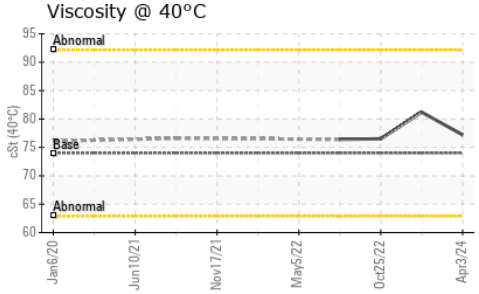
FT-IR (Direct Trend)



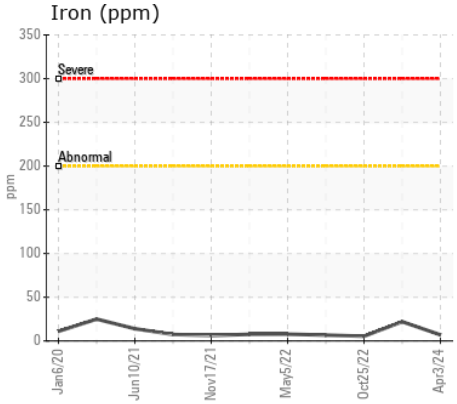
Viscosity @ 100°C



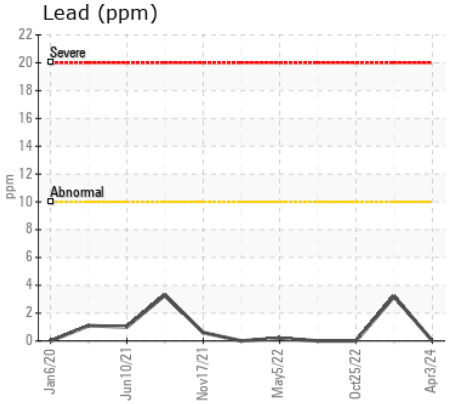
Viscosity @ 40°C



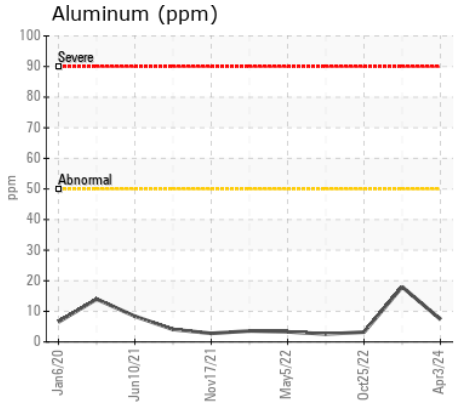
Iron (ppm)



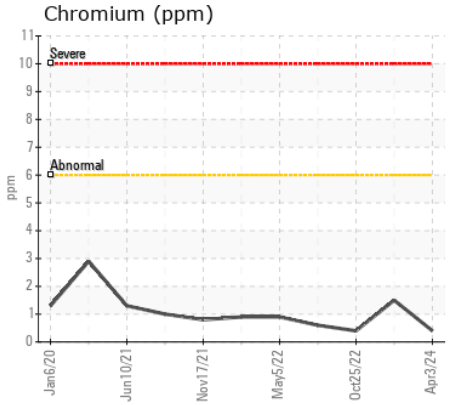
Lead (ppm)



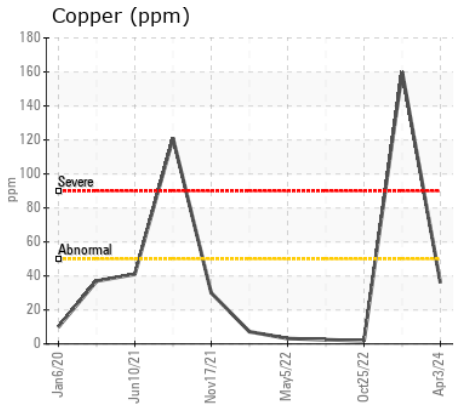
Aluminum (ppm)



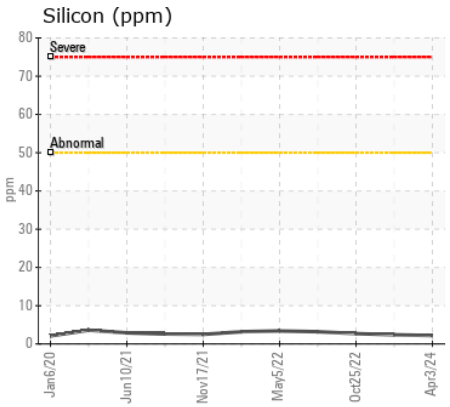
Chromium (ppm)



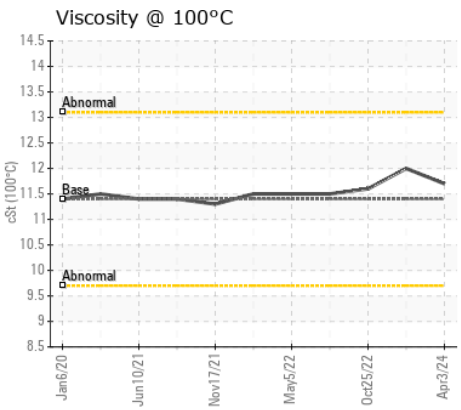
Copper (ppm)



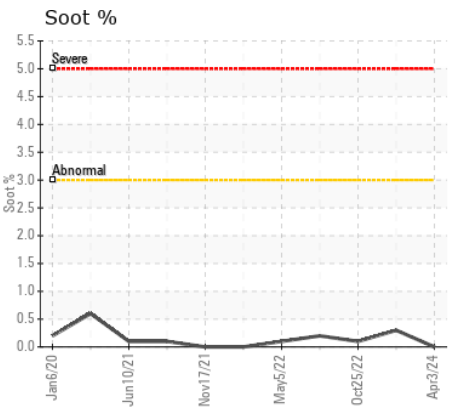
Silicon (ppm)



Viscosity @ 100°C



Soot %



ISO 17025:2017 Accredited Laboratory

Laboratory	: WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9		
Sample No.	: PC0082192	**Received**	: 08 Apr 2024
Lab Number	: 02627199	**Tested**	: 08 Apr 2024
Unique Number	: 5760331	**Diagnosed**	: 08 Apr 2024 - Wes Davis
Test Package	: MOB 1 (Additional Tests: KV40, VI)		

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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