MOB II WEAR CHECK

OIL ANALYSIS REPORT

WEAR	ABNORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Area
{UNASSIGNED}
Machine Id
481
Component
Diesel Engine
Fluid
PETRO CANADA DURON SHP 10W30 (--- GAL)

RECOMMENDATION

Nous avons pris note que la vidange d`huile a été effectuée au moment de l`échantillonnage. Nous vous recommandons d`échantillonner de nouveau dès que possible afin de contrôler la situation.

WEAR

Usure de segment. Le niveau d`usure du composant est élevé pour la période de rodage.

CONTAMINATION

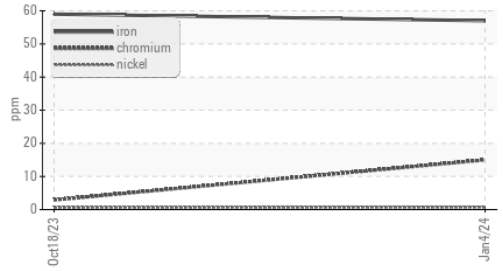
Elevated aluminum (Al) and/or lead (Pb) and potassium (K) levels in your metals analysis are likely a result of solder flux release into the lubricant and is common on new equipment/components. Il n`y a aucun indice de contamination dans l`huile.

FLUID CONDITION

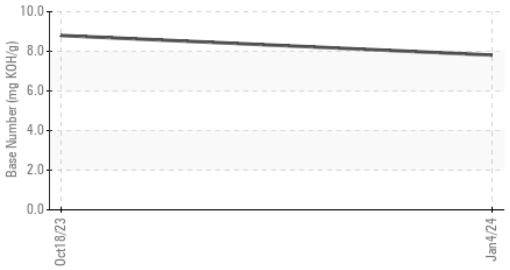
Le résultat pour le BN indique que la réserve d'alcalinité est acceptable pour l`huile. l`huile n'est plus en état de service en raison d'une usure anomale et/ou sévère.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		**WC0885198**	WC0866110	---
Sample Date		Client Info		**04 Jan 2024**	18 Oct 2023	---
Machine Age	kms	Client Info		**84717**	14415	---
Oil Age	kms	Client Info		**70332**	0	---
Filter Age	kms	Client Info		**70332**	0	---
Oil Changed		Client Info		**Changed**	Changed	---
Filter Changed		Client Info		**Changed**	Changed	---
Sample Status				**ABNORMAL**	NORMAL	---
Iron	ppm	ASTM D5185(m)	>65	**57**	59	---
Chromium	ppm	ASTM D5185(m)	>5	▲ **15**	3	---
Nickel	ppm	ASTM D5185(m)	>3	**<1**	<1	---
Titanium	ppm	ASTM D5185(m)	>5	**0**	0	---
Silver	ppm	ASTM D5185(m)	>2	**<1**	1	---
Aluminum	ppm	ASTM D5185(m)	>35	**147**	34	---
Lead	ppm	ASTM D5185(m)	>10	**5**	2	---
Copper	ppm	ASTM D5185(m)	>180	**202**	58	---
Tin	ppm	ASTM D5185(m)	>8	**1**	2	---
Vanadium	ppm	ASTM D5185(m)		**0**	0	---
Silicon	ppm	ASTM D5185(m)	>15	**6**	8	---
Potassium	ppm	ASTM D5185(m)	>20	**271**	91	---
Fuel		WC Method	>3.0	**<1.0**	0.5	---
Water		WC Method	>0.2	**NEG**	NEG	---
Glycol		WC Method		**NEG**	NEG	---
Soot %	%	ASTM D7844*	>3	**0.5**	0.1	---
Nitration	Abs/cm	ASTM D7624*	>20	**9.1**	6.8	---
Sulfation	Abs/.1mm	ASTM D7415*	>30	**22.4**	22.9	---
Emulsified Water	scalar	Visual*	>0.2	**NEG**	NEG	---
Sodium	ppm	ASTM D5185(m)		**4**	5	---
Boron	ppm	ASTM D5185(m)	2	**6**	43	---
Barium	ppm	ASTM D5185(m)	0	**0**	<1	---
Molybdenum	ppm	ASTM D5185(m)	50	**59**	47	---
Manganese	ppm	ASTM D5185(m)	0	**2**	3	---
Magnesium	ppm	ASTM D5185(m)	950	**959**	555	---
Calcium	ppm	ASTM D5185(m)	1050	**1187**	1748	---
Phosphorus	ppm	ASTM D5185(m)	995	**914**	796	---
Zinc	ppm	ASTM D5185(m)	1180	**1118**	945	---
Sulfur	ppm	ASTM D5185(m)	2600	**1815**	2092	---
Oxidation	Abs/.1mm	ASTM D7414*	>25	**19.6**	20.2	---
Base Number (BN)	mg KOH/g	ASTM D2896*		**7.81**	8.80	---
Visc @ 100°C	cSt	ASTM D7279(m)	12.00	**11.1**	9.5	---

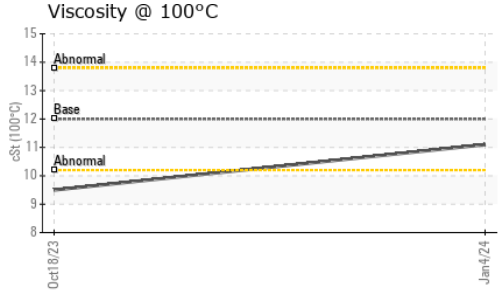
Ferrous Alloys



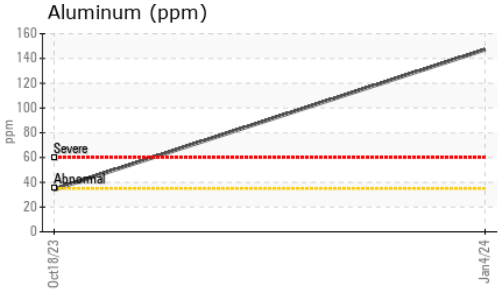
Base Number



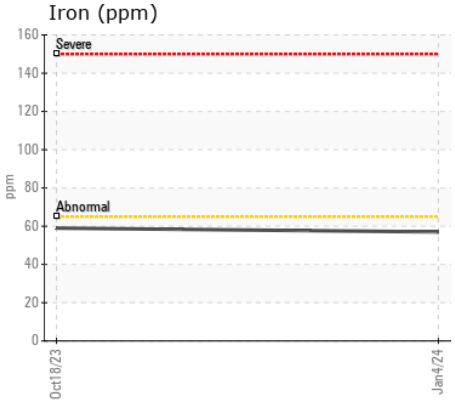
Viscosity @ 100°C



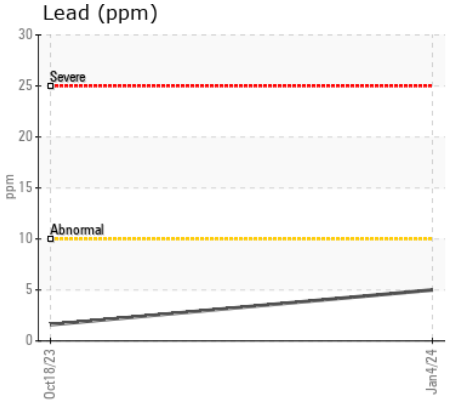
Aluminum (ppm)



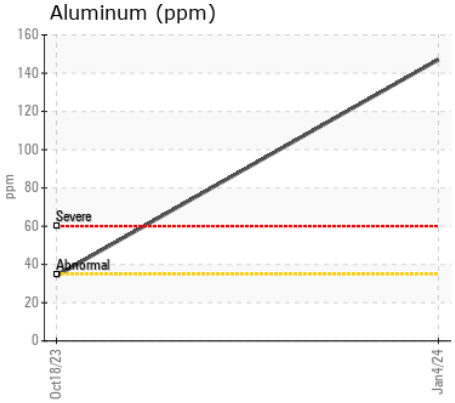
Iron (ppm)



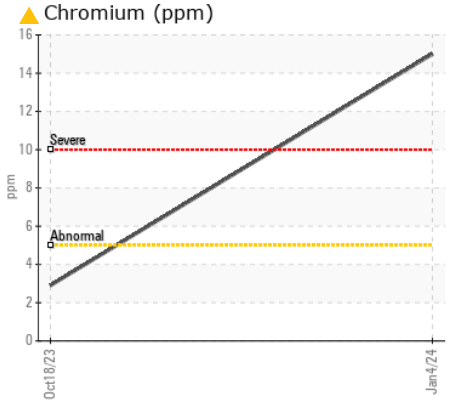
Lead (ppm)



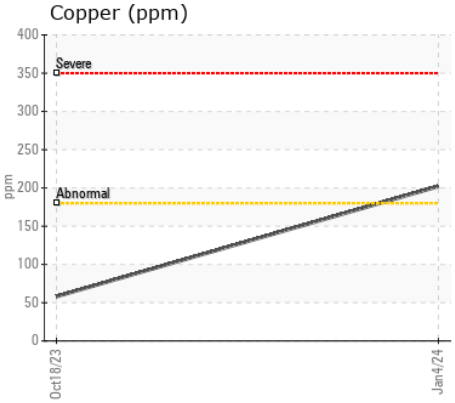
Aluminum (ppm)



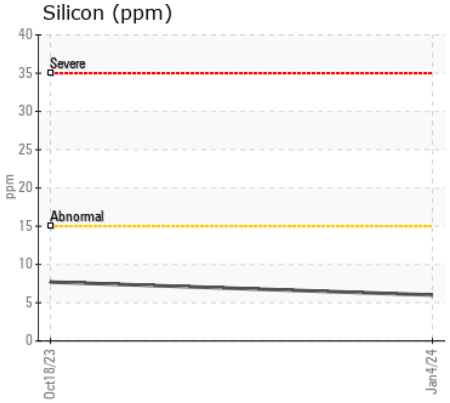
Chromium (ppm)



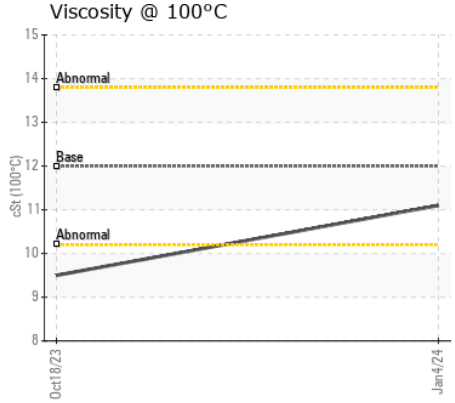
Copper (ppm)



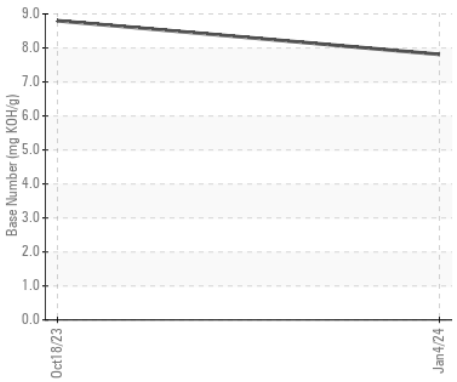
Silicon (ppm)



Viscosity @ 100°C



Base Number



ISO 17025:2017 Accredited Laboratory

Laboratory	: WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9		
Sample No.	: WC0885198	**Recieved**	: 19 Jan 2024
Lab Number	: 02609928	**Diagnosed**	: 22 Jan 2024
Unique Number	: 5711014	**Diagnostician**	: Kevin Marson
Test Package	: MOB 2		

Lachine - Transport Laberge
435 rue Norman
Lachine, QC
CA H8S 1A5
Contact: Service Manager

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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F: