MOB II LUBE 360 OIL DIAGNOSTICS

OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Machine Id
229
Component
Diesel Engine
Fluid
PETRO CANADA DURON UHP 5W40 (--- 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

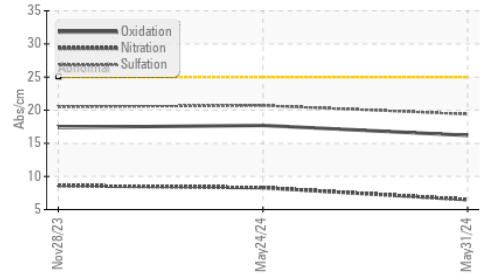
Elevated aluminum (Al) and/or lead (Pb) and potassium (K) levels in your metals analysis are likely a result of solder flux release into the lubricant and is common on new equipment/components. Il n`y a aucun indice de contamination dans l'huile.

FLUID CONDITION

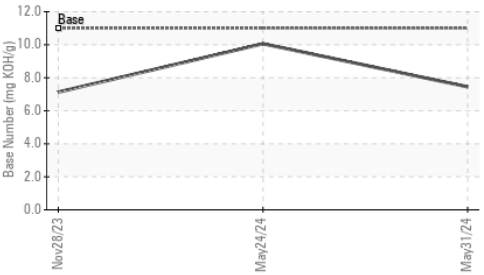
Le résultat pour le BN indique que la réserve d'alcalinité est acceptable pour l'huile. L'état de l'huile permet d'en prolonger l'utilisation.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		**PC0074240**	PC0074239	PC0068996
Sample Date		Client Info		**31 May 2024**	24 May 2024	28 Nov 2023
Machine Age	hrs	Client Info		**4527**	4510	4177
Oil Age	hrs	Client Info		**28**	333	413
Filter Age	hrs	Client Info		**28**	333	413
Oil Changed		Client Info		**Changed**	Changed	Changed
Filter Changed		Client Info		**Changed**	Changed	Changed
Sample Status				**NORMAL**	MARGINAL	NORMAL
Iron	ppm	ASTM D5185(m)	>65	**7**	19	14
Chromium	ppm	ASTM D5185(m)	>5	**<1**	1	2
Nickel	ppm	ASTM D5185(m)	>3	**0**	0	<1
Titanium	ppm	ASTM D5185(m)	>5	**0**	0	0
Silver	ppm	ASTM D5185(m)	>2	**0**	0	<1
Aluminum	ppm	ASTM D5185(m)	>35	**4**	10	14
Lead	ppm	ASTM D5185(m)	>10	**0**	▲ 9	<1
Copper	ppm	ASTM D5185(m)	>180	**6**	15	17
Tin	ppm	ASTM D5185(m)	>8	**0**	<1	<1
Vanadium	ppm	ASTM D5185(m)		**0**	0	0
Silicon	ppm	ASTM D5185(m)	>15	**3**	3	3
Potassium	ppm	ASTM D5185(m)	>20	**6**	16	24
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**	0.1	0.2
Nitration	Abs/cm	ASTM D7624*	>20	**6.5**	8.3	8.6
Sulfation	Abs/.1mm	ASTM D7415*	>30	**19.4**	20.7	20.5
Emulsified Water	scalar	Visual*	>0.2	**NEG**	NEG	NEG
Sodium	ppm	ASTM D5185(m)		**4**	4	3
Boron	ppm	ASTM D5185(m)	65	**41**	43	26
Barium	ppm	ASTM D5185(m)	0	**0**	0	0
Molybdenum	ppm	ASTM D5185(m)	65	**54**	57	44
Manganese	ppm	ASTM D5185(m)	0	**0**	<1	0
Magnesium	ppm	ASTM D5185(m)	1160	**1020**	1022	806
Calcium	ppm	ASTM D5185(m)	820	**863**	925	1107
Phosphorus	ppm	ASTM D5185(m)	1160	**955**	994	940
Zinc	ppm	ASTM D5185(m)	1260	**1141**	1166	1122
Sulfur	ppm	ASTM D5185(m)	3000	**2663**	2652	2516
Oxidation	Abs/.1mm	ASTM D7414*	>25	**16.2**	17.7	17.4
Base Number (BN)	mg KOH/g	ASTM D2896*	11.0	**7.45**	10.06	7.13
Visc @ 40°C	cSt	ASTM D7279(m)	95.1	**86.1**	84.5	81.8
Visc @ 100°C	cSt	ASTM D7279(m)	14.3	**13.9**	13.8	13.1
Viscosity Index (VI)	Scale	ASTM D2270*	169	**166**	167	161

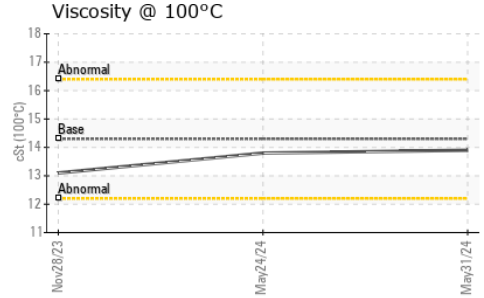
FT-IR (Direct Trend)



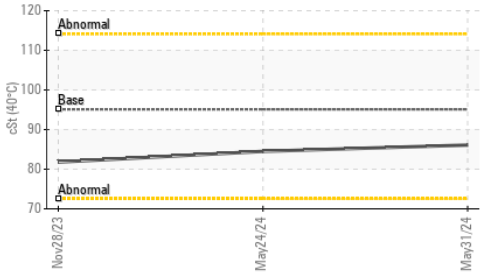
Base Number



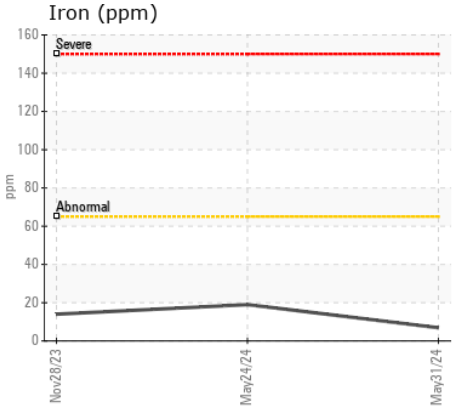
Viscosity @ 100°C



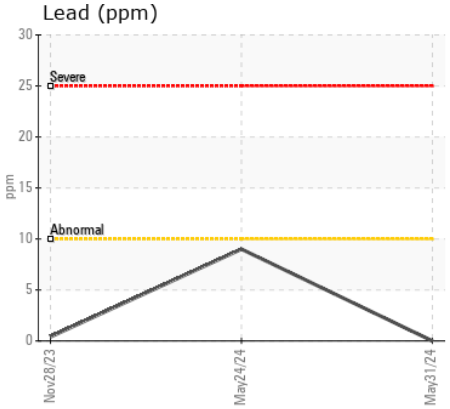
Viscosity @ 40°C



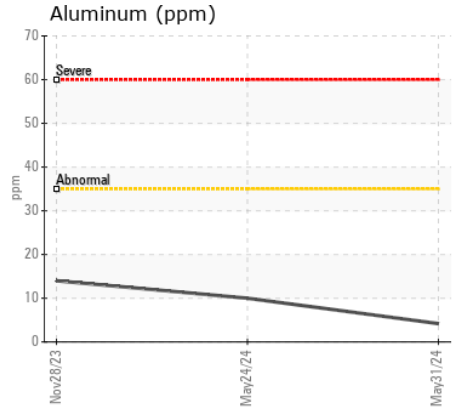
Iron (ppm)



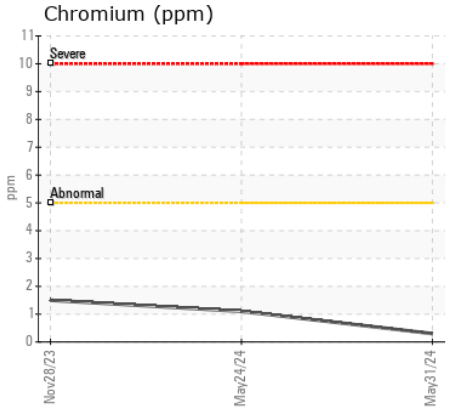
Lead (ppm)



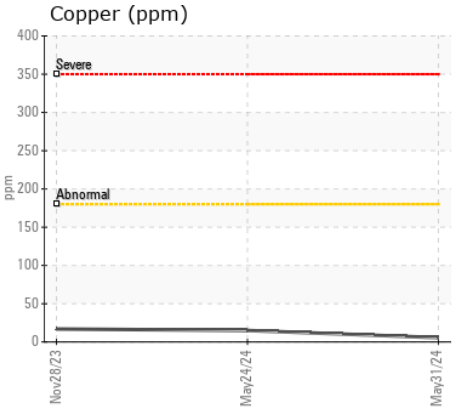
Aluminum (ppm)



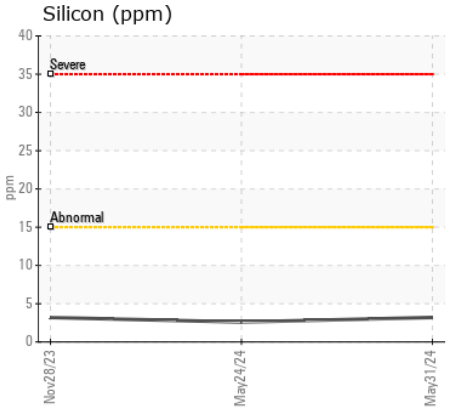
Chromium (ppm)



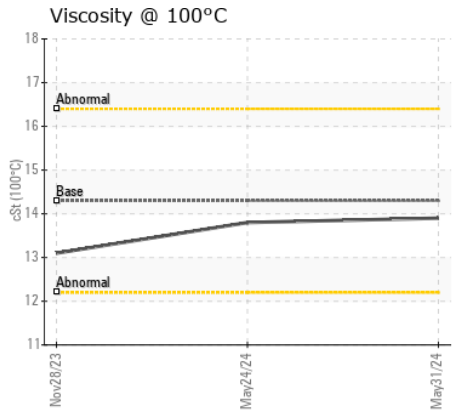
Copper (ppm)



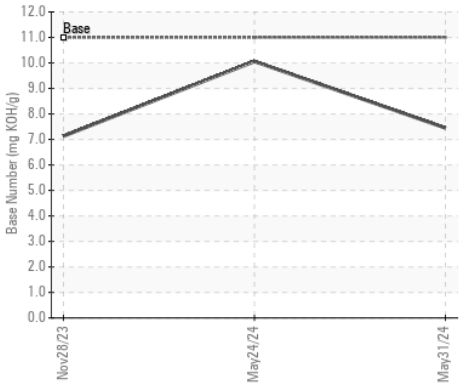
Silicon (ppm)



Viscosity @ 100°C



Base Number



ISO 17025:2017 Accredited Laboratory

Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : PC0074240 **Received** : 06 Jun 2024
Lab Number : 02640180 **Tested** : 06 Jun 2024
Unique Number : 5789342 **Diagnosed** : 06 Jun 2024 - Wes Davis
Test Package : MOB 2 (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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