MOB II

WEAR CHECK

OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Machine Id
281
Component
Diesel Engine
Fluid
PETRO CANADA DURON SHP 10W30 (42 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

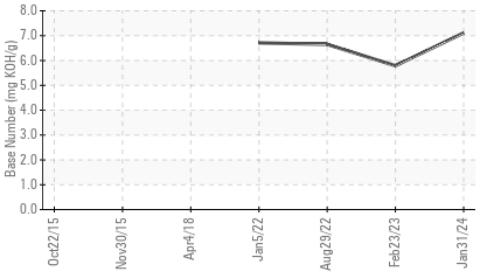
Le résultat pour le BN indique que la réserve d'alcalinité est acceptable pour l'huile. L'état de l'huile permet d'en prolonger l'utilisation.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		**WC0846901**	WC0776076	WC0731650
Sample Date		Client Info		**31 Jan 2024**	23 Feb 2023	29 Aug 2022
Machine Age	kms	Client Info		**749059**	699641	665121
Oil Age	kms	Client Info		**30676**	34521	0
Filter Age	kms	Client Info		**30676**	34521	0
Oil Changed		Client Info		**Changed**	Changed	Changed
Filter Changed		Client Info		**Changed**	Changed	Changed
Sample Status				**NORMAL**	NORMAL	NORMAL
Iron	ppm	ASTM D5185(m)	>165	**56**	91	91
Chromium	ppm	ASTM D5185(m)	>5	**1**	2	2
Nickel	ppm	ASTM D5185(m)	>4	**<1**	<1	<1
Titanium	ppm	ASTM D5185(m)	>2	**0**	<1	<1
Silver	ppm	ASTM D5185(m)	>2	**0**	0	0
Aluminum	ppm	ASTM D5185(m)	>20	**16**	33	28
Lead	ppm	ASTM D5185(m)	>150	**2**	3	5
Copper	ppm	ASTM D5185(m)	>90	**2**	3	2
Tin	ppm	ASTM D5185(m)	>5	**<1**	<1	<1
Vanadium	ppm	ASTM D5185(m)		**0**	0	0
Silicon	ppm	ASTM D5185(m)	>35	**7**	6	6
Potassium	ppm	ASTM D5185(m)	>20	**19**	42	45
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*	>7.5	**0.9**	0.8	1.1
Nitration	Abs/cm	ASTM D7624*	>20	**15.2**	14.7	15.7
Sulfation	Abs/.1mm	ASTM D7415*	>30	**27.7**	29.2	31.4
Emulsified Water	scalar	Visual*	>0.2	**NEG**	NEG	NEG
Sodium	ppm	ASTM D5185(m)		**6**	7	7
Boron	ppm	ASTM D5185(m)	2	**14**	18	10
Barium	ppm	ASTM D5185(m)	0	**0**	0	0
Molybdenum	ppm	ASTM D5185(m)	50	**61**	65	66
Manganese	ppm	ASTM D5185(m)	0	**0**	1	1
Magnesium	ppm	ASTM D5185(m)	950	**1122**	1173	1235
Calcium	ppm	ASTM D5185(m)	1050	**899**	952	987
Phosphorus	ppm	ASTM D5185(m)	995	**1054**	1138	1224
Zinc	ppm	ASTM D5185(m)	1180	**1238**	1309	1408
Sulfur	ppm	ASTM D5185(m)	2600	**2935**	2913	2913
Oxidation	Abs/.1mm	ASTM D7414*	>25	**24.2**	24.4	28.8
Base Number (BN)	mg KOH/g	ASTM D2896*		**7.11**	5.79	6.65
Visc @ 100°C	cSt	ASTM D7279(m)	12.00	**12.1**	12.2	12.5

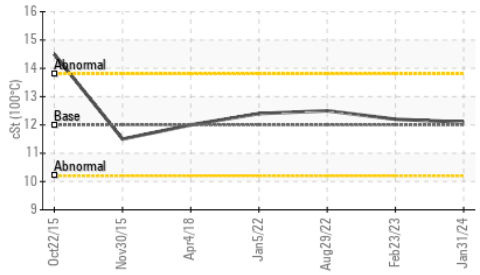
Report Id: TRA105LAC [WCAMIS] 02616157 (Generated: 02/20/2024 09:01:22) Rev: 1

Submitted By: Stephane Godbout

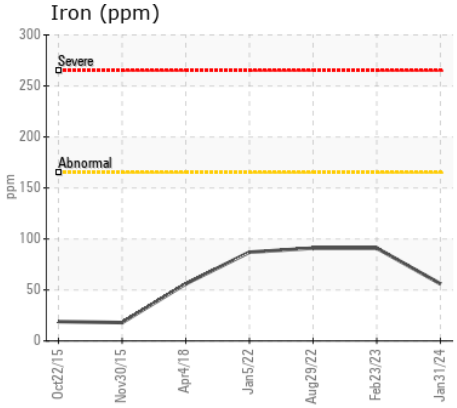
Base Number



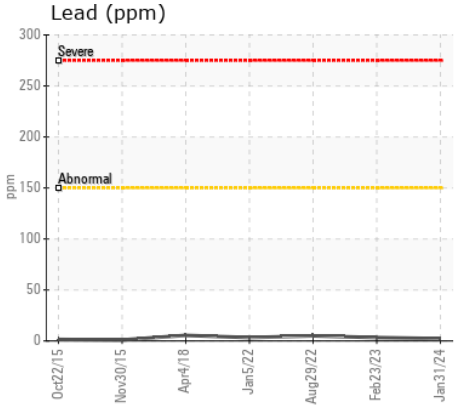
Viscosity @ 100°C



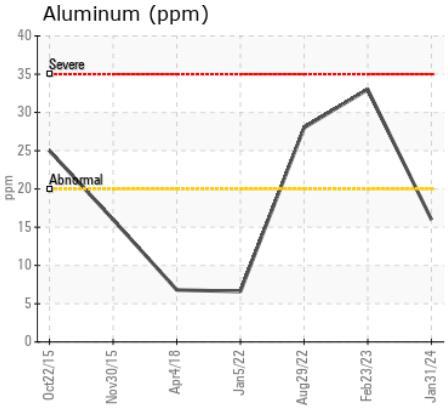
Iron (ppm)



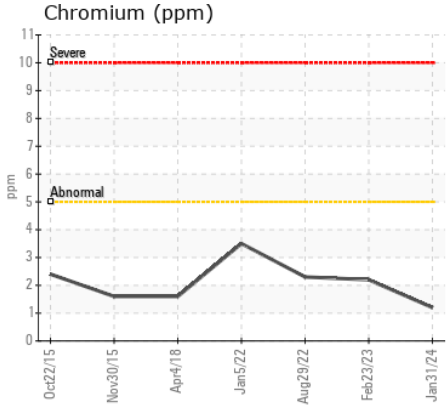
Lead (ppm)



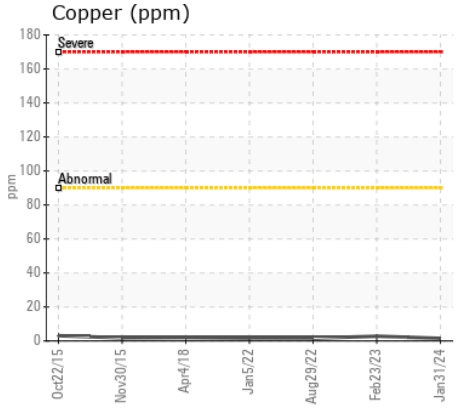
Aluminum (ppm)



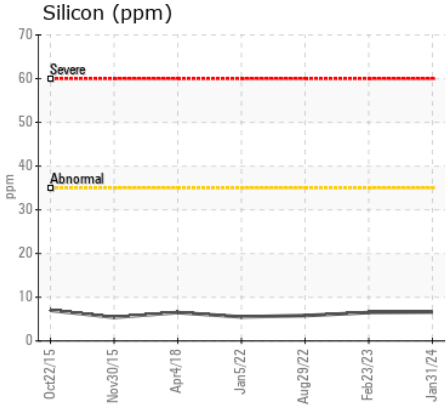
Chromium (ppm)



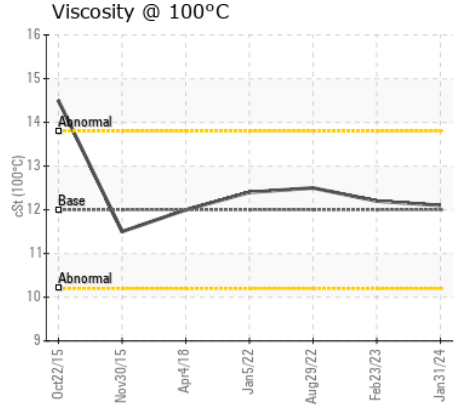
Copper (ppm)



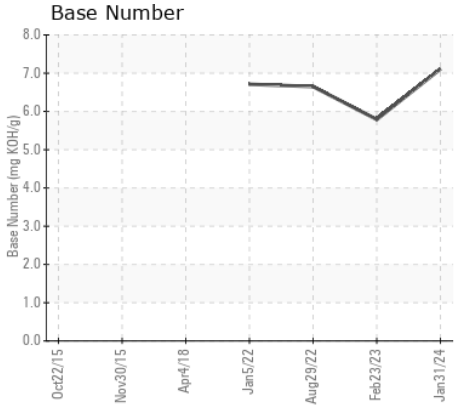
Silicon (ppm)



Viscosity @ 100°C



Base Number



ISO 17025:2017 Accredited Laboratory

Laboratory	: WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9		
Sample No.	: WC0846901	**Received**	: 16 Feb 2024
Lab Number	: 02616157	**Tested**	: 20 Feb 2024
Unique Number	: 5733267	**Diagnosed**	: 20 Feb 2024 - Wes Davis
Test Package	: MOB 2		

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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