MOB II

WEAR CHECK

OIL ANALYSIS REPORT

WEAR	ABNORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Machine Id
505
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. Confirmez la source du lubrifiant utilisé pour l'appoint/remplissage. Nous vous recommandons d`échantillonner de nouveau dès que possible afin de contrôler la situation. (Customer Sample Comment: New unit)

WEAR

Usure de cylindre, de vilebrequin ou d`arbre à cames. Usure de segment. Usure de piston.

CONTAMINATION

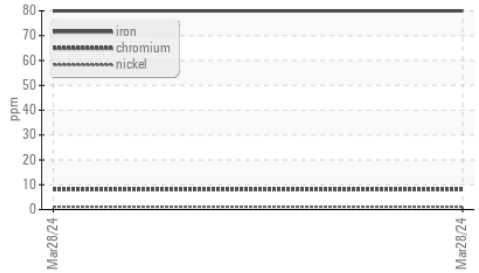
Il n`y a aucun indice de contamination dans l`huile.

FLUID CONDITION

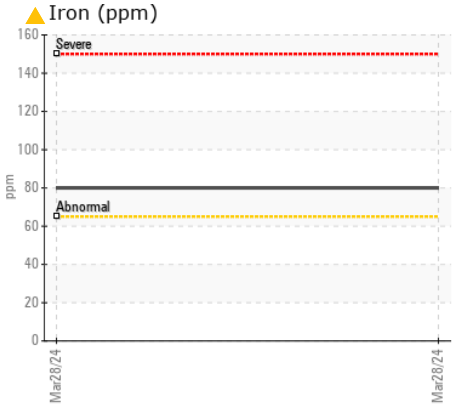
Les niveaux d`additifs indiquent l`ajout d`une autre marque ou d`un autre type d`huile. Le résultat pour le BN indique que la réserve d'alcalinité est acceptable pour l`huile. l`huile n'est plus en état de service en raison d'une usure anomale et/ou sévère.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		WC0928208	---	---
Sample Date		Client Info		28 Mar 2024	---	---
Machine Age	kms	Client Info		555571	---	---
Oil Age	kms	Client Info		0	---	---
Filter Age	kms	Client Info		0	---	---
Oil Changed		Client Info		Changed	---	---
Filter Changed		Client Info		Changed	---	---
Sample Status				ABNORMAL	---	---
PQ		ASTM D8184*	>80	7	---	---
Iron	ppm	ASTM D5185(m)	>65	▲ 80	---	---
Chromium	ppm	ASTM D5185(m)	>5	▲ 8	---	---
Nickel	ppm	ASTM D5185(m)	>3	1	---	---
Titanium	ppm	ASTM D5185(m)	>5	0	---	---
Silver	ppm	ASTM D5185(m)	>2	0	---	---
Aluminum	ppm	ASTM D5185(m)	>35	▲ 38	---	---
Lead	ppm	ASTM D5185(m)	>10	0	---	---
Copper	ppm	ASTM D5185(m)	>180	16	---	---
Tin	ppm	ASTM D5185(m)	>8	<1	---	---
Vanadium	ppm	ASTM D5185(m)		0	---	---
Silicon	ppm	ASTM D5185(m)	>15	7	---	---
Potassium	ppm	ASTM D5185(m)	>20	122	---	---
Fuel		WC Method	>3.0	<1.0	---	---
Water		WC Method	>0.2	NEG	---	---
Glycol	%	ASTM D7922*		0.0	---	---
Soot %	%	ASTM D7844*	>3	0.5	---	---
Nitration	Abs/cm	ASTM D7624*	>20	11.4	---	---
Sulfation	Abs/.1mm	ASTM D7415*	>30	26.9	---	---
Emulsified Water	scalar	Visual*	>0.2	NEG	---	---
Sodium	ppm	ASTM D5185(m)		107	---	---
Boron	ppm	ASTM D5185(m)	2	23	---	---
Barium	ppm	ASTM D5185(m)	0	0	---	---
Molybdenum	ppm	ASTM D5185(m)	50	60	---	---
Manganese	ppm	ASTM D5185(m)	0	1	---	---
Magnesium	ppm	ASTM D5185(m)	950	512	---	---
Calcium	ppm	ASTM D5185(m)	1050	1686	---	---
Phosphorus	ppm	ASTM D5185(m)	995	1036	---	---
Zinc	ppm	ASTM D5185(m)	1180	1239	---	---
Sulfur	ppm	ASTM D5185(m)	2600	2533	---	---
Oxidation	Abs/.1mm	ASTM D7414*	>25	25.0	---	---
Base Number (BN)	mg KOH/g	ASTM D2896*		9.53	---	---
Visc @ 100°C	cSt	ASTM D7279(m)	12.00	11.6	---	---

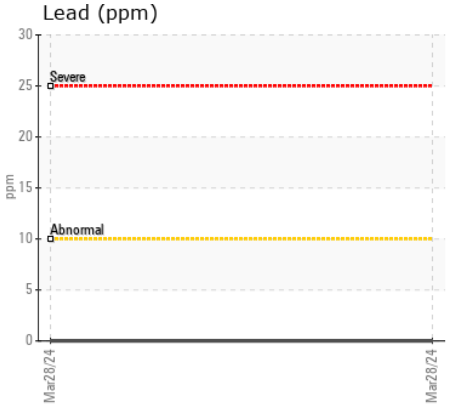
Ferrous Alloys



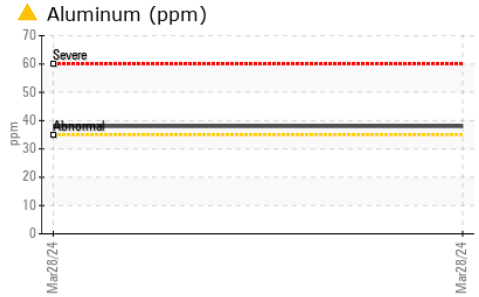
Iron (ppm)



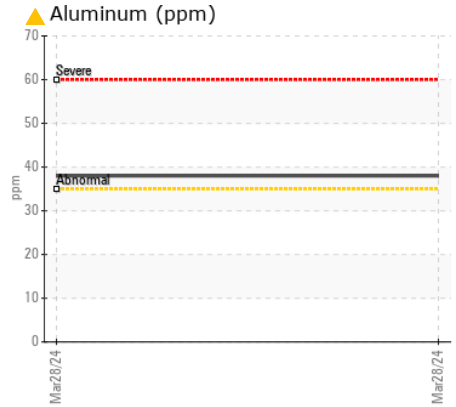
Lead (ppm)



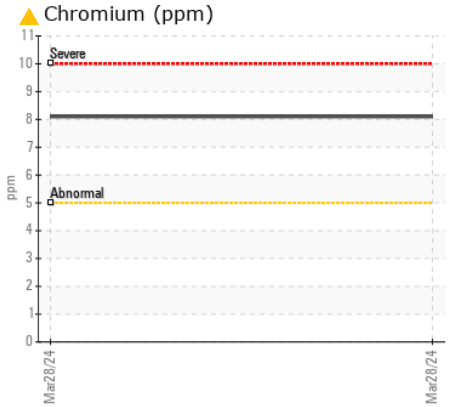
Aluminum (ppm)



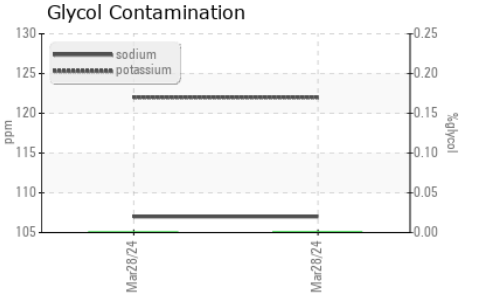
Aluminum (ppm)



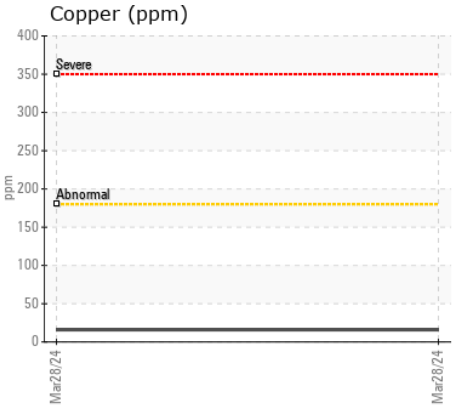
Chromium (ppm)



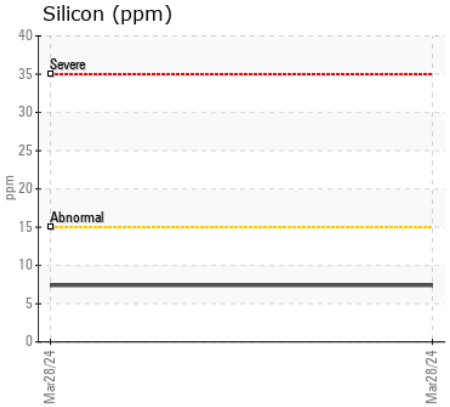
Glycol Contamination



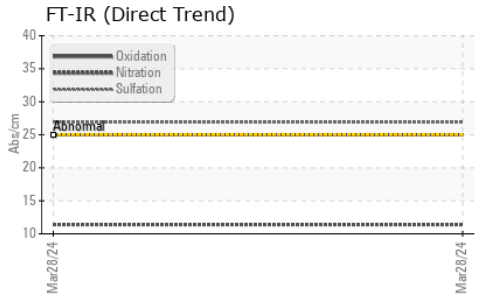
Copper (ppm)



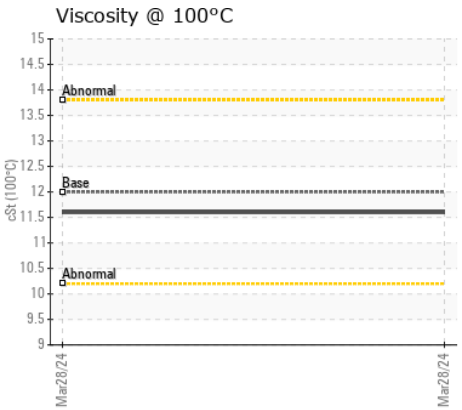
Silicon (ppm)



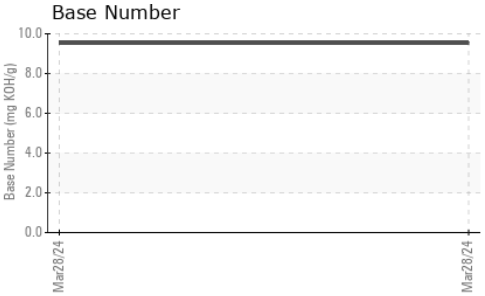
FT-IR (Direct Trend)



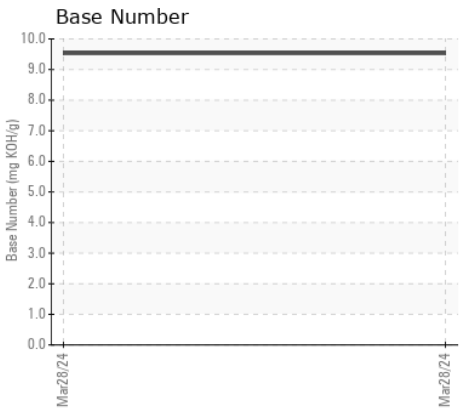
Viscosity @ 100°C



Base Number



Base Number



ISO 17025:2017 Accredited Laboratory

Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : WC0928208
Lab Number : 02628140
Unique Number : 5761272
Test Package : MOB 2 (Additional Tests: Glycol, PQ)

Received : 11 Apr 2024
Tested : 11 Apr 2024
Diagnosed : 11 Apr 2024 - Kevin Marson

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.

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

T:
F: