

Machine Id
206119
Component
Diesel Engine
Fluid
DIESEL ENGINE OIL SAE 15W40 (--- GAL)

RECOMMENDATION

Nous vous recommandons de vérifier le filtre à air, le système d'induction d'air et tout endroit où la saleté peut entrer dans le composant. Nous avons pris note que l'huile a été vidangée et le filtre remplacé au moment de l'échantillonnage. Nous vous recommandons d'échantillonner de nouveau dès que possible afin de contrôler la situation.

WEAR

Les taux d'usure de tous les composants sont normaux.

CONTAMINATION

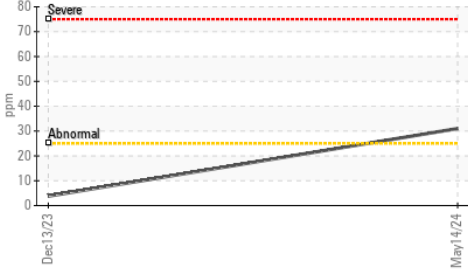
Concentration modérée de saleté dans l'huile.

FLUID CONDITION

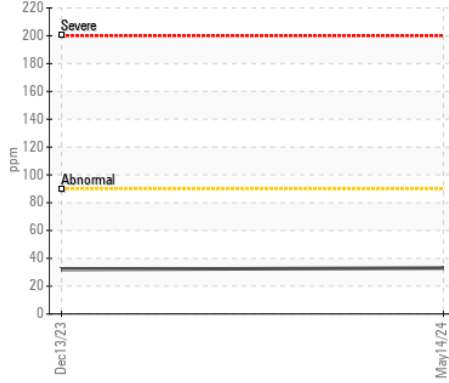
Le résultat pour le BN indique que la réserve d'alcalinité est acceptable pour l'huile. l'huile ne peut plus être utilisée en raison de la présence de contaminants.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		PC0079030	PC0079703	---
Sample Date		Client Info		14 May 2024	13 Dec 2023	---
Machine Age	kms	Client Info		134081	174150	---
Oil Age	kms	Client Info		2304	19209	---
Filter Age	kms	Client Info		2304	19209	---
Oil Changed		Client Info		Changed	Changed	---
Filter Changed		Client Info		Changed	Changed	---
Sample Status				ABNORMAL	NORMAL	---
Iron	ppm	ASTM D5185(m)	>90	33	32	---
Chromium	ppm	ASTM D5185(m)	>20	<1	<1	---
Nickel	ppm	ASTM D5185(m)	>2	0	<1	---
Titanium	ppm	ASTM D5185(m)	>2	0	0	---
Silver	ppm	ASTM D5185(m)	>2	0	0	---
Aluminum	ppm	ASTM D5185(m)	>20	6	7	---
Lead	ppm	ASTM D5185(m)	>40	0	0	---
Copper	ppm	ASTM D5185(m)	>330	2	2	---
Tin	ppm	ASTM D5185(m)	>15	0	0	---
Vanadium	ppm	ASTM D5185(m)		0	0	---
Silicon	ppm	ASTM D5185(m)	>25	▲ 31	4	---
Potassium	ppm	ASTM D5185(m)	>20	3	7	---
Fuel		WC Method	>3.0	<1.0	<1.0	---
Water		WC Method	>0.2	NEG	NEG	---
Glycol		WC Method		NEG	NEG	---
Soot %	%	ASTM D7844*	>6	0.4	0.7	---
Nitration	Abs/cm	ASTM D7624*	>20	9.3	11.3	---
Sulfation	Abs/.1mm	ASTM D7415*	>30	19.6	21.4	---
Emulsified Water	scalar	Visual*	>0.2	NEG	NEG	---
Sodium	ppm	ASTM D5185(m)	>158	2	2	---
Boron	ppm	ASTM D5185(m)	250	2	1	---
Barium	ppm	ASTM D5185(m)	10	0	0	---
Molybdenum	ppm	ASTM D5185(m)	100	60	62	---
Manganese	ppm	ASTM D5185(m)		<1	0	---
Magnesium	ppm	ASTM D5185(m)	450	983	986	---
Calcium	ppm	ASTM D5185(m)	3000	1083	1088	---
Phosphorus	ppm	ASTM D5185(m)	1150	1006	991	---
Zinc	ppm	ASTM D5185(m)	1350	1207	1201	---
Sulfur	ppm	ASTM D5185(m)	4250	2476	2581	---
Oxidation	Abs/.1mm	ASTM D7414*	>25	16.4	17.9	---
Base Number (BN)	mg KOH/g	ASTM D2896*	8.5	9.40	9.37	---
Visc @ 40°C	cSt	ASTM D7279(m)	115	93.1	96.4	---
Visc @ 100°C	cSt	ASTM D7279(m)	14.4	13.1	13.3	---
Viscosity Index (VI)	Scale	ASTM D2270*	126	139	137	---

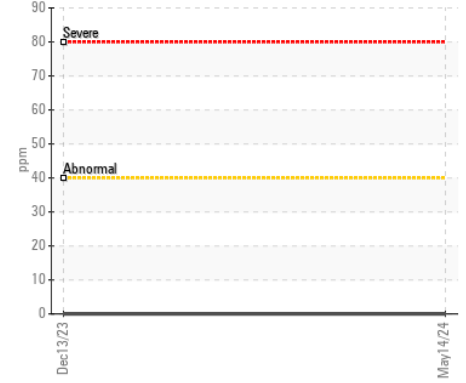
▲ Silicon (ppm)



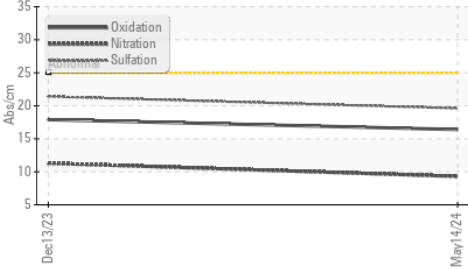
Iron (ppm)



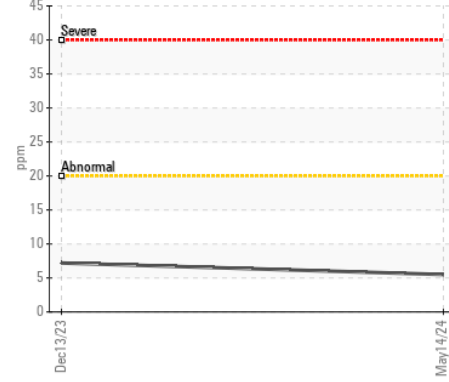
Lead (ppm)



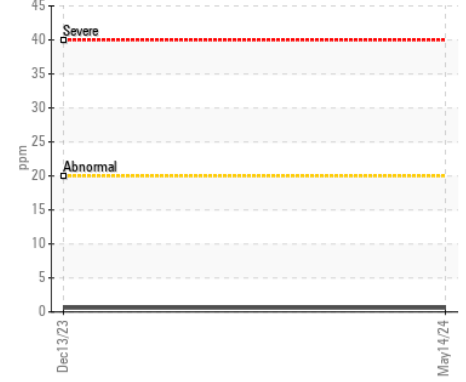
FT-IR (Direct Trend)



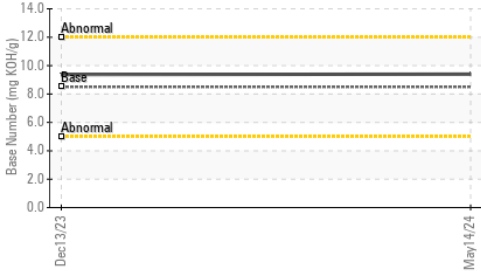
Aluminum (ppm)



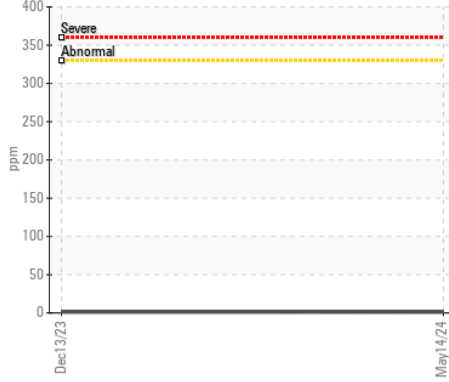
Chromium (ppm)



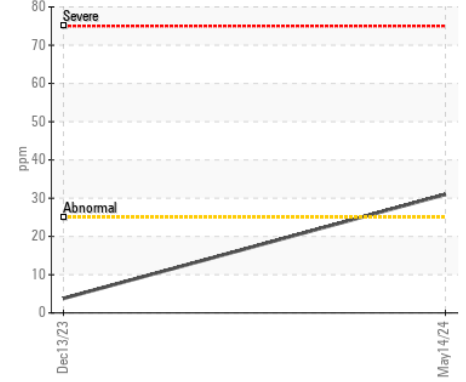
Base Number



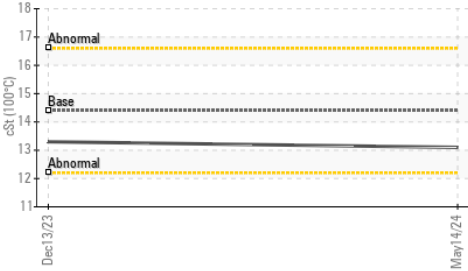
Copper (ppm)



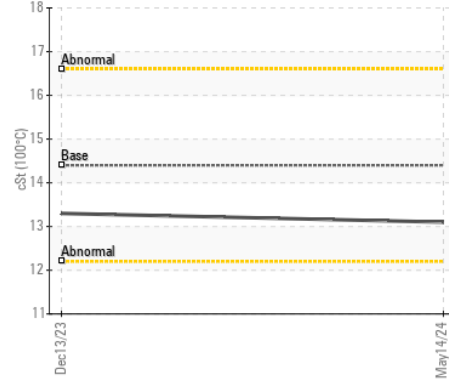
▲ Silicon (ppm)



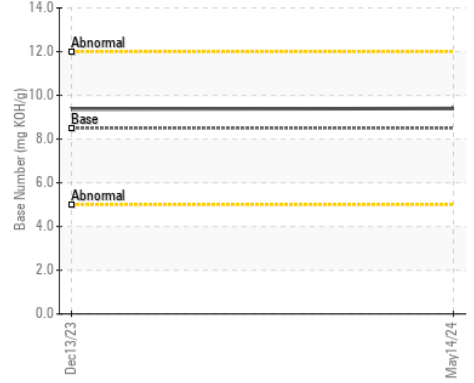
Viscosity @ 100°C



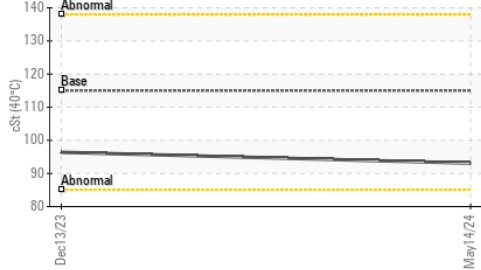
Viscosity @ 100°C



Base Number



Viscosity @ 40°C



ISO 17025:2017
Accredited
Laboratory

Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : PC0079030 **Received** : 07 Jun 2024
Lab Number : 02640445 **Tested** : 11 Jun 2024
Unique Number : 5789607 **Diagnosed** : 11 Jun 2024 - Kevin Marson
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.

TRANSDEV LIMOCAR
 4243 MARCEL-LACASSE
 BOISBRIAND, QC
 CA J7H 1N3

Contact: Benoit Dumoulin
 benoit.dumoulin@transdev.ca
 T: (450)970-2054
 F: (450)435-1141