



Machine Id
8118
 Component
Diesel Engine
 Fluid
PETRO CANADA DURON HP 15W40 (--- LTR)

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. Aucune autre mesure corrective n'est recommandée pour l'instant.

WEAR

Usure de la soupape d'échappement.

CONTAMINATION

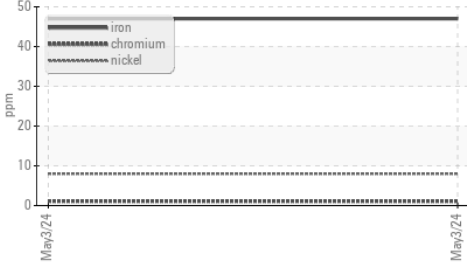
Légère dilution de carburant dans l'huile. Aucun autre contaminant n'a été détecté dans l'huile.

FLUID CONDITION

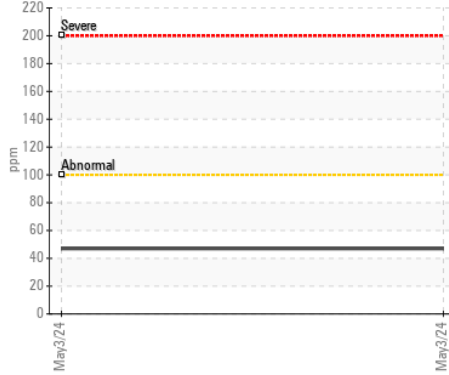
Le résultat pour le BN indique que la réserve d'alcalinité est acceptable pour l'huile. l'huile n'est plus en état de service en raison d'une usure anormale et/ou sévère.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		PC0086700	---	---
Sample Date		Client Info		03 May 2024	---	---
Machine Age	kms	Client Info		594560	---	---
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	---	---
Iron	ppm	ASTM D5185(m)	>100	47	---	---
Chromium	ppm	ASTM D5185(m)	>20	1	---	---
Nickel	ppm	ASTM D5185(m)	>4	▲ 8	---	---
Titanium	ppm	ASTM D5185(m)		0	---	---
Silver	ppm	ASTM D5185(m)	>3	0	---	---
Aluminum	ppm	ASTM D5185(m)	>20	5	---	---
Lead	ppm	ASTM D5185(m)	>40	2	---	---
Copper	ppm	ASTM D5185(m)	>330	3	---	---
Tin	ppm	ASTM D5185(m)	>15	0	---	---
Vanadium	ppm	ASTM D5185(m)		0	---	---
Silicon	ppm	ASTM D5185(m)	>25	4	---	---
Potassium	ppm	ASTM D5185(m)	>20	8	---	---
Fuel	%	ASTM D7593*	>5	1.6	---	---
Water		WC Method	>0.2	NEG	---	---
Glycol	%	ASTM D7922*		0.0	---	---
Soot %	%	ASTM D7844*	>3	0.7	---	---
Nitration	Abs/cm	ASTM D7624*	>20	14.6	---	---
Sulfation	Abs/.1mm	ASTM D7415*	>30	26.8	---	---
Emulsified Water	scalar	Visual*	>0.2	NEG	---	---
Sodium	ppm	ASTM D5185(m)		15	---	---
Boron	ppm	ASTM D5185(m)	0	2	---	---
Barium	ppm	ASTM D5185(m)	0	0	---	---
Molybdenum	ppm	ASTM D5185(m)	60	61	---	---
Manganese	ppm	ASTM D5185(m)	0	<1	---	---
Magnesium	ppm	ASTM D5185(m)	1010	967	---	---
Calcium	ppm	ASTM D5185(m)	1070	1082	---	---
Phosphorus	ppm	ASTM D5185(m)	1150	976	---	---
Zinc	ppm	ASTM D5185(m)	1270	1192	---	---
Sulfur	ppm	ASTM D5185(m)	2060	1949	---	---
Oxidation	Abs/.1mm	ASTM D7414*	>25	24.0	---	---
Base Number (BN)	mg KOH/g	ASTM D2896*	9.8	5.40	---	---
Visc @ 40°C	cSt	ASTM D7279(m)	118.2	91.3	---	---
Visc @ 100°C	cSt	ASTM D7279(m)	15.6	12.5	---	---
Viscosity Index (VI)	Scale	ASTM D2270*	139	132	---	---

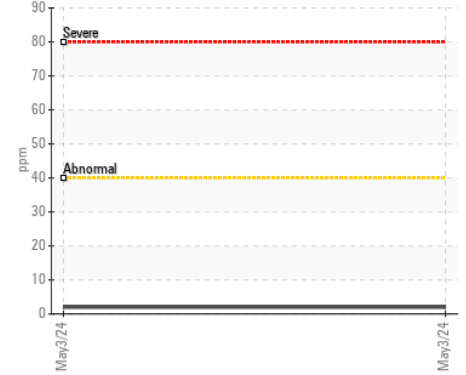
▲ Ferrous Alloys



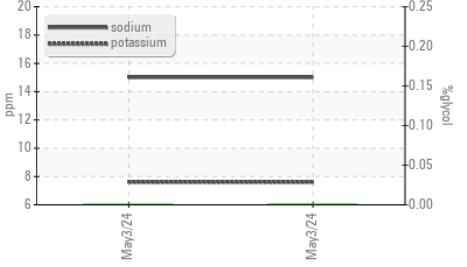
Iron (ppm)



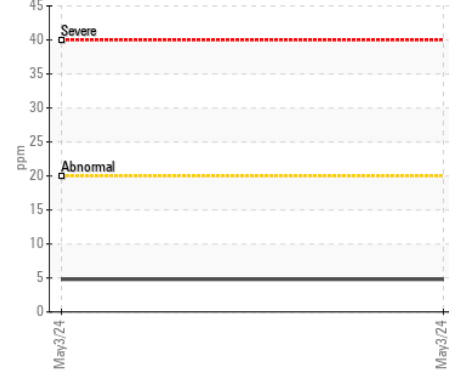
Lead (ppm)



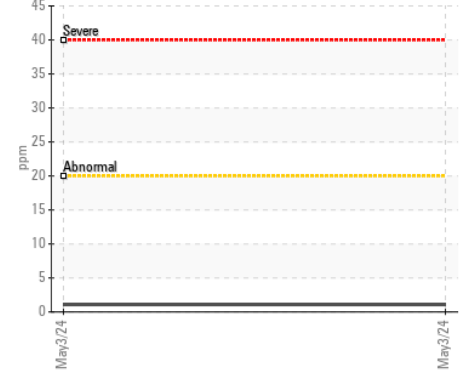
Glycol Contamination



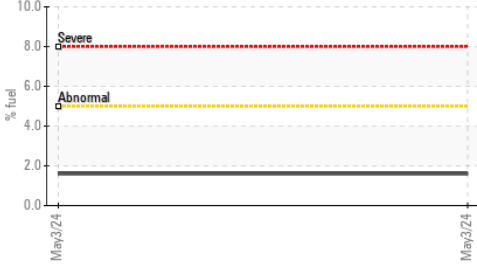
Aluminum (ppm)



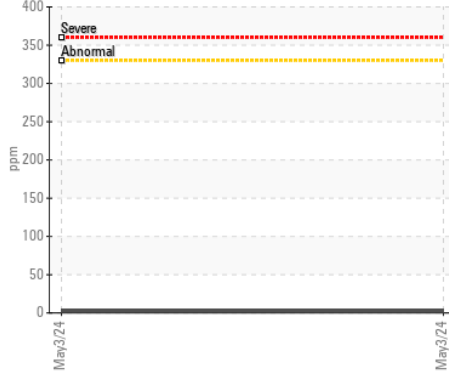
Chromium (ppm)



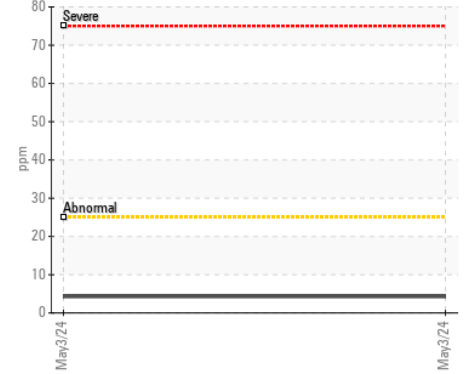
Fuel Dilution



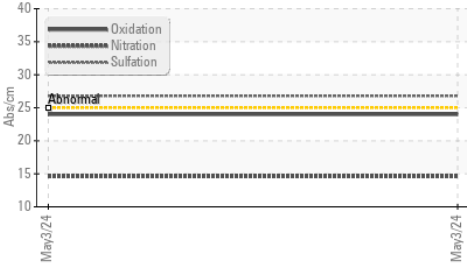
Copper (ppm)



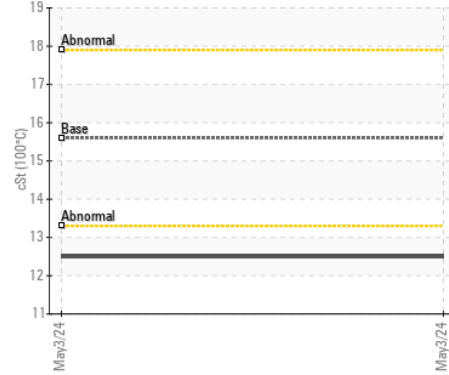
Silicon (ppm)



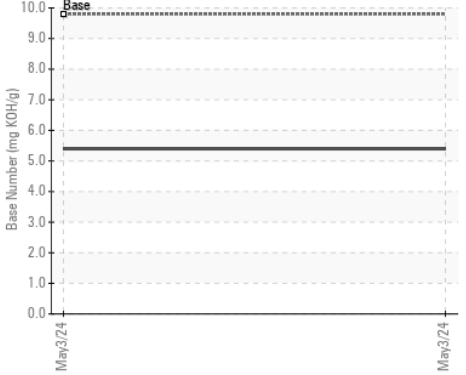
FT-IR (Direct Trend)



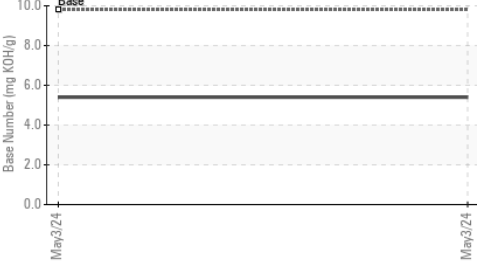
Viscosity @ 100°C



Base Number



Base Number



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : PC0086700 **Received** : 23 May 2024
Lab Number : 02637058 **Tested** : 24 May 2024
Unique Number : 5786220 **Diagnosed** : 24 May 2024 - Kevin Marson
Test Package : MOB 2 (Additional Tests: FuelDilution, Glycol, KV40, PercentFuel, VI)

TRANSDEV ST-JEAN
 720 TROTTER
 ST-JEAN-SUR-RICHELIEU, QC
 CA J3B 8T2
 Contact: Eric Breton
 eric.breton@transdev.com

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.

T:
F: