

OIL ANALYSIS REPORT

Sample Rating Trend



WEAR



Machine Id

8118

Component

Diesel Engine

Fluid

PETRO CANADA DURON HP 15W40 (--- LTR)

DIAGNOSIS

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.

SAMPLE INFORMATION		method	limit/base	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	---	---
Oil Changed	Client Info			Changed	---	---
Sample Status				ABNORMAL	---	---

CONTAMINATION		method	limit/base	current	history1	history2
Water	WC Method		>0.2	NEG	---	---

WEAR METALS		method	limit/base	current	history1	history2
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	---	---
Antimony	ppm	ASTM D5185(m)		0	---	---
Vanadium	ppm	ASTM D5185(m)		0	---	---
Beryllium	ppm	ASTM D5185(m)		0	---	---
Cadmium	ppm	ASTM D5185(m)		0	---	---

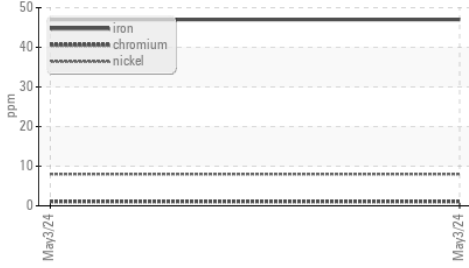
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185(m)	0	2	---	---
Barium	ppm	ASTM D5185(m)	0	0	---	---
Molybdenum	ppm	ASTM D5185(m)	60	61	---	---
Manganese	ppm	ASTM D5185(m)	0	<1	---	---
Magnesium	ppm	ASTM D5185(m)	1010	967	---	---
Calcium	ppm	ASTM D5185(m)	1070	1082	---	---
Phosphorus	ppm	ASTM D5185(m)	1150	976	---	---
Zinc	ppm	ASTM D5185(m)	1270	1192	---	---
Sulfur	ppm	ASTM D5185(m)	2060	1949	---	---
Lithium	ppm	ASTM D5185(m)		<1	---	---

CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185(m)	>25	4	---	---
Sodium	ppm	ASTM D5185(m)		15	---	---
Potassium	ppm	ASTM D5185(m)	>20	8	---	---
Fuel	%	ASTM D7593*	>5	1.6	---	---
Glycol	%	ASTM D7922*		0.0	---	---

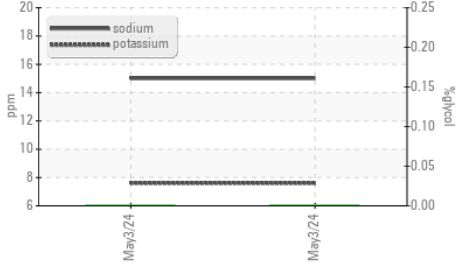
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	ASTM D7844*	>3	0.7	---	---
Nitration	Abs/cm	ASTM D7624*	>20	14.6	---	---
Sulfation	Abs./1mm	ASTM D7415*	>30	26.8	---	---

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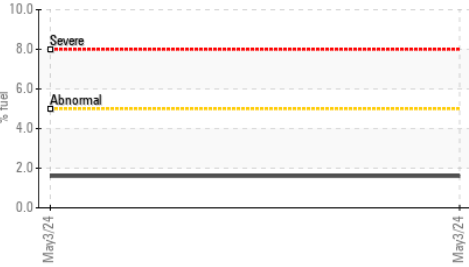
▲ Ferrous Alloys



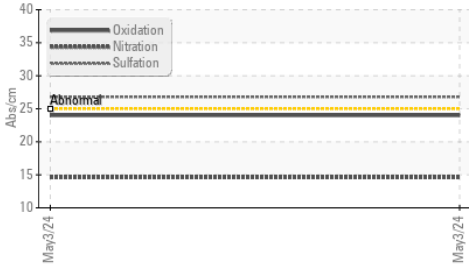
Glycol Contamination



Fuel Dilution



FT-IR (Direct Trend)



Viscosity @ 40°C

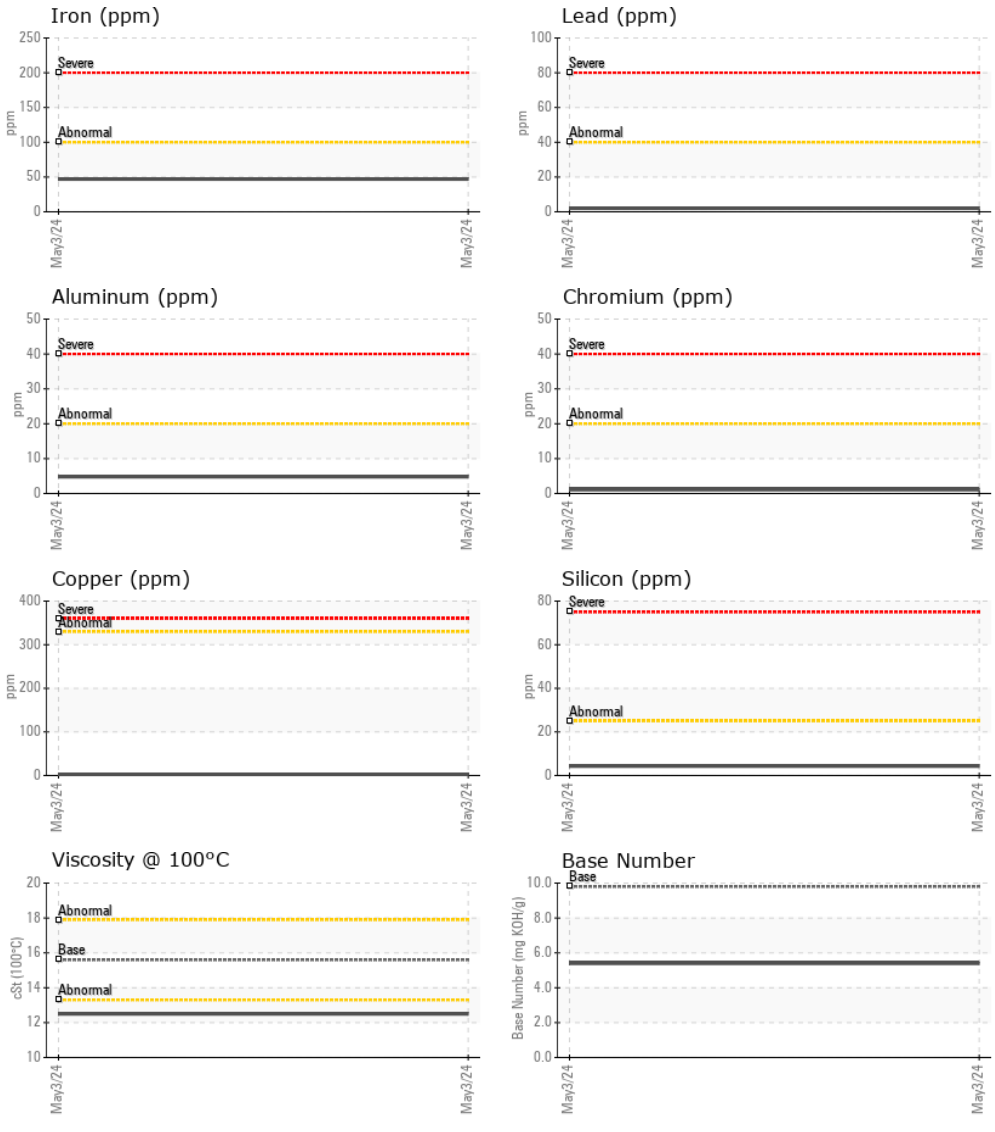


FLUID DEGRADATION						
	method	limit/base	current	history1	history2	
Oxidation	Abs./1mm	ASTM D7414*	>25	24.0	---	---
Base Number (BN)	mg KOH/g	ASTM D2896*	9.8	5.40	---	---

VISUAL						
	method	limit/base	current	history1	history2	
Emulsified Water	scalar	Visual*	>0.2	NEG	---	---
Free Water	scalar	Visual*		NEG	---	---

FLUID PROPERTIES						
	method	limit/base	current	history1	history2	
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	---	---

GRAPHS



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : PC0086700
Lab Number : **02637058**
Unique Number : 5786220
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.