

Machine Id

371

Component

Diesel Engine

Fluid

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

DIAGNOSIS

Recommendation

Nous avons pris note que la vidange d'huile a été effectuée au moment de l'échantillonnage. Échantillonner de nouveau l'équipement au prochain intervalle de vidange afin d'en surveiller la condition. Aucune autre mesure corrective n'est recommandée pour l'instant.

Wear

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

Contamination

Légère dilution de carburant dans l'huile. Le test de glycol est négatif. 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'état de l'huile permet d'en prolonger l'utilisation.

SAMPLE INFORMATION		method	limit/base	current	history1	history2
Sample Number	Client Info			PC0079361	PC0079580	PC0074162
Sample Date	Client Info			18 Mar 2024	16 Jan 2024	03 Oct 2023
Machine Age	kms	Client Info		1186028	176107	0
Oil Age	kms	Client Info		9921	10522	29940
Oil Changed	Client Info			Changed	Changed	Changed
Sample Status				MARGINAL	ABNORMAL	ABNORMAL

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

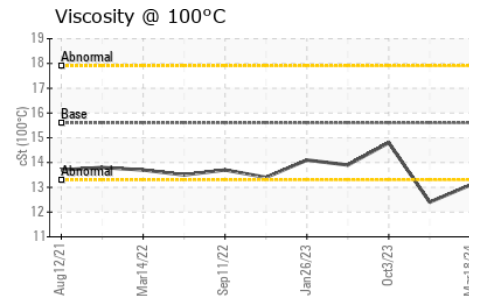
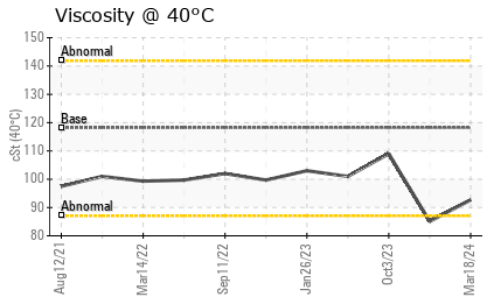
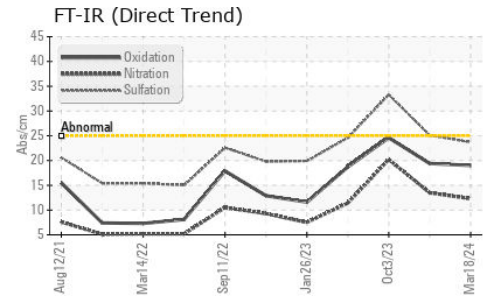
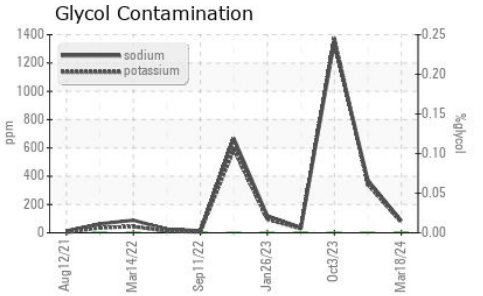
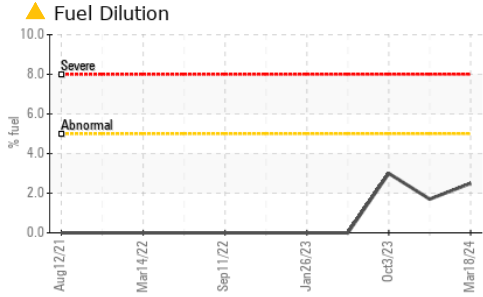
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185(m)	>100	89	▲ 140	▲ 195
Chromium	ppm	ASTM D5185(m)	>20	4	5	11
Nickel	ppm	ASTM D5185(m)	>4	<1	<1	<1
Titanium	ppm	ASTM D5185(m)		<1	0	0
Silver	ppm	ASTM D5185(m)	>3	0	<1	<1
Aluminum	ppm	ASTM D5185(m)	>20	17	19	15
Lead	ppm	ASTM D5185(m)	>40	0	2	8
Copper	ppm	ASTM D5185(m)	>330	2	2	4
Tin	ppm	ASTM D5185(m)	>15	0	<1	<1
Antimony	ppm	ASTM D5185(m)		0	0	0
Vanadium	ppm	ASTM D5185(m)		0	0	0
Beryllium	ppm	ASTM D5185(m)		0	0	0
Cadmium	ppm	ASTM D5185(m)		0	0	0

ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185(m)	0	2	4	5
Barium	ppm	ASTM D5185(m)	0	0	0	<1
Molybdenum	ppm	ASTM D5185(m)	60	64	72	146
Manganese	ppm	ASTM D5185(m)	0	0	<1	1
Magnesium	ppm	ASTM D5185(m)	1010	973	863	979
Calcium	ppm	ASTM D5185(m)	1070	1111	1076	1133
Phosphorus	ppm	ASTM D5185(m)	1150	1022	968	934
Zinc	ppm	ASTM D5185(m)	1270	1234	1160	1276
Sulfur	ppm	ASTM D5185(m)	2060	2518	2592	2578
Lithium	ppm	ASTM D5185(m)		<1	<1	<1

CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185(m)	>25	6	9	26
Sodium	ppm	ASTM D5185(m)		86	● 372	● 1346
Potassium	ppm	ASTM D5185(m)	>20	73	▲ 341	▲ 1377
Fuel	%	ASTM D7593*	>5	▲ 2.5	1.7	▲ 3
Glycol	%	ASTM D7922*		0.0	0.0	0.0

INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	ASTM D7844*	>3	1.6	1.7	▲ 3.2
Nitration	Abs/cm	ASTM D7624*	>20	12.3	13.5	20.2
Sulfation	Abs/.1mm	ASTM D7415*	>30	23.7	25.1	33.3

OIL ANALYSIS REPORT

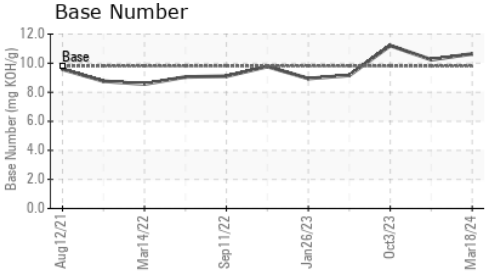
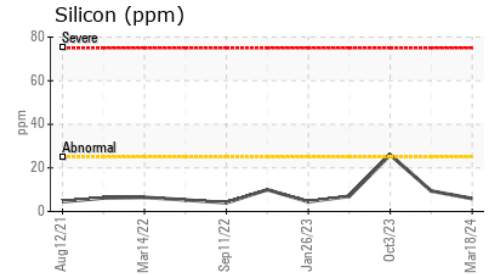
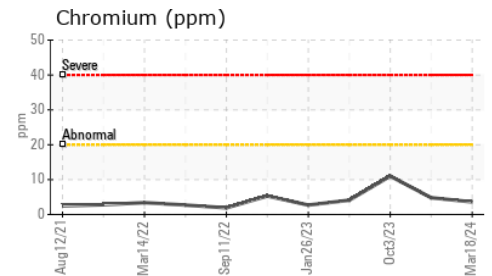
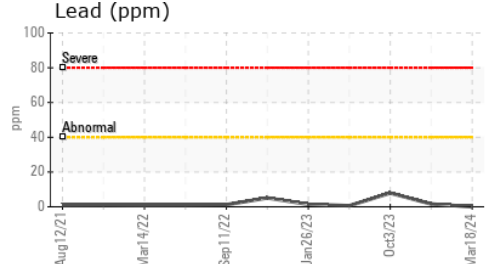
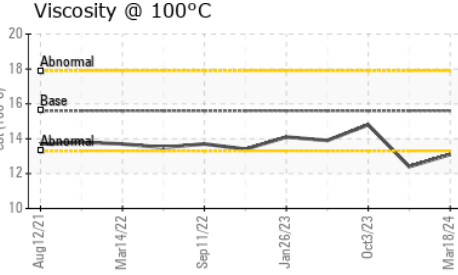
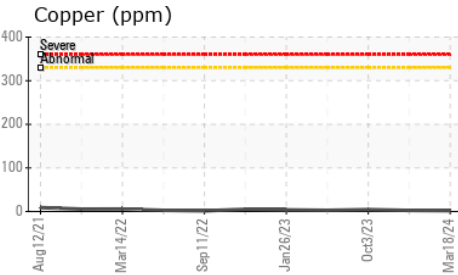
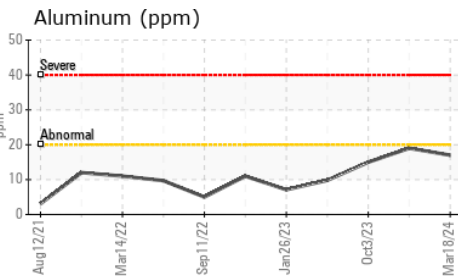
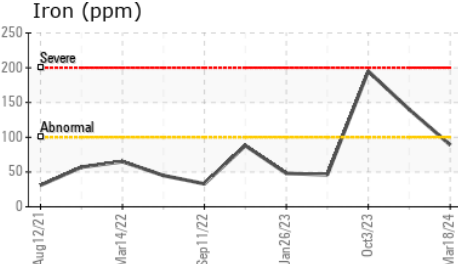


FLUID DEGRADATION		method	limit/base	current	history1	history2
Oxidation	Abs/1mm	ASTM D7414*	>25	19.0	19.4	24.6
Base Number (BN)	mg KOH/g	ASTM D2896*	9.8	10.64	10.24	11.21

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

FLUID PROPERTIES		method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D7279(m)	118.2	92.7	▲ 85.1	109
Visc @ 100°C	cSt	ASTM D7279(m)	15.6	13.1	▲ 12.4	14.8
Viscosity Index (VI)	Scale	ASTM D2270*	139	140	141	140

GRAPHS



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : PC0079361
Lab Number : 02624568
Unique Number : 5749687
Test Package : MOB 2 (Additional Tests: FuelDilution, Glycol, KV40, PercentFuel, VI)

TRANSDEV ST-JEAN
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 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.*