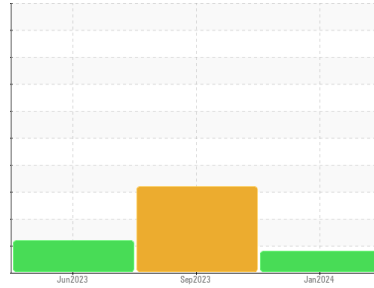


Machine Id
813309

Component
Diesel Engine

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



DIAGNOSIS

Recommendation

Aucune mesure corrective n'est recommandée pour l'instant. Échantillonner de nouveau l'équipement au prochain intervalle de vidange afin d'en surveiller la condition.

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			PC0079393	PC0073407	PC0074019
Sample Date	Client Info			22 Jan 2024	28 Sep 2023	18 Jun 2023
Machine Age	kms	Client Info		900443	879659	0
Oil Age	kms	Client Info		22134	21000	22356
Oil Changed	Client Info			N/A	Changed	Changed
Sample Status				MARGINAL	ABNORMAL	ABNORMAL

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

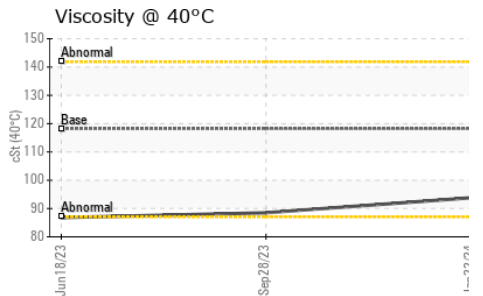
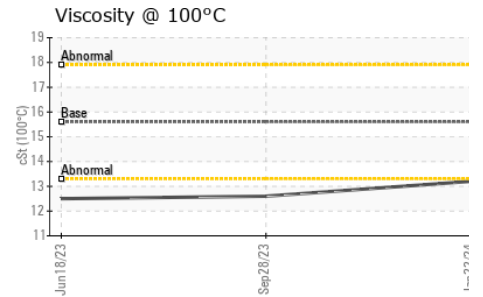
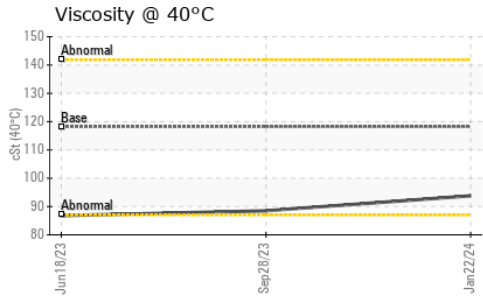
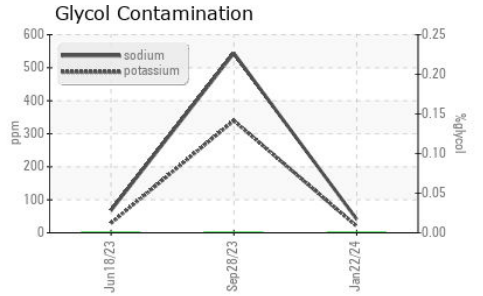
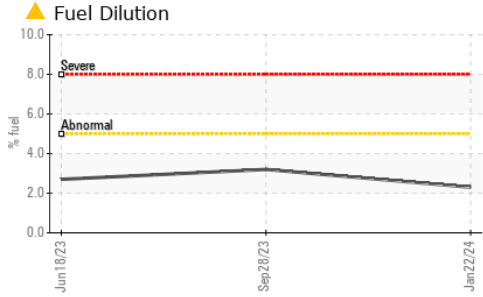
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185(m)	>100	11	29	39
Chromium	ppm	ASTM D5185(m)	>20	<1	<1	1
Nickel	ppm	ASTM D5185(m)	>4	0	0	0
Titanium	ppm	ASTM D5185(m)		0	0	<1
Silver	ppm	ASTM D5185(m)	>3	0	<1	0
Aluminum	ppm	ASTM D5185(m)	>20	2	3	4
Lead	ppm	ASTM D5185(m)	>40	<1	4	1
Copper	ppm	ASTM D5185(m)	>330	2	7	3
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	8	3
Barium	ppm	ASTM D5185(m)	0	0	<1	0
Molybdenum	ppm	ASTM D5185(m)	60	58	78	60
Manganese	ppm	ASTM D5185(m)	0	0	0	<1
Magnesium	ppm	ASTM D5185(m)	1010	945	898	979
Calcium	ppm	ASTM D5185(m)	1070	1101	1074	1116
Phosphorus	ppm	ASTM D5185(m)	1150	1022	970	1083
Zinc	ppm	ASTM D5185(m)	1270	1173	1156	1201
Sulfur	ppm	ASTM D5185(m)	2060	2729	2486	2544
Lithium	ppm	ASTM D5185(m)		<1	<1	<1

CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185(m)	>25	4	13	9
Sodium	ppm	ASTM D5185(m)		41	▲ 544	68
Potassium	ppm	ASTM D5185(m)	>20	20	▲ 340	29
Fuel	%	ASTM D7593*	>5	▲ 2.3	▲ 3.2	▲ 2.7
Glycol	%	ASTM D7922*		0.0	0.0	0.0

INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	ASTM D7844*	>3	0.2	0.6	0.7
Nitration	Abs/cm	ASTM D7624*	>20	7.5	9.4	8.9
Sulfation	Abs/.1mm	ASTM D7415*	>30	19.9	21.9	21.0

OIL ANALYSIS REPORT

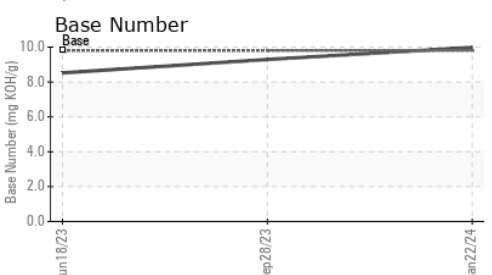
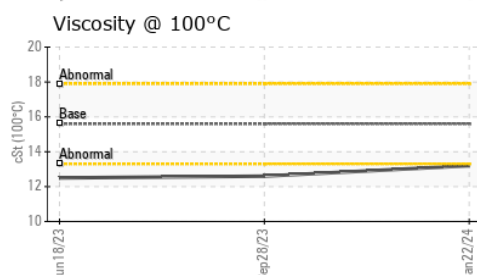
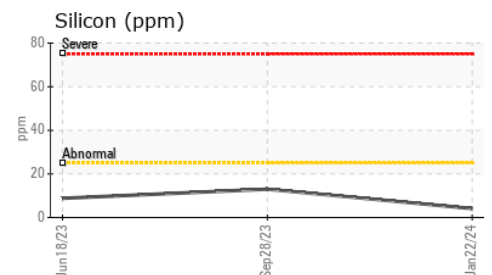
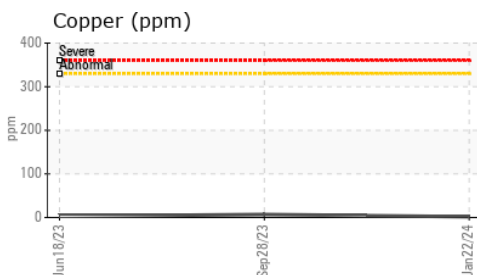
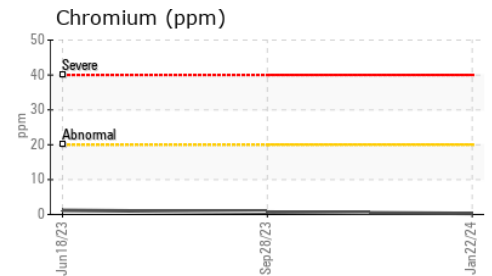
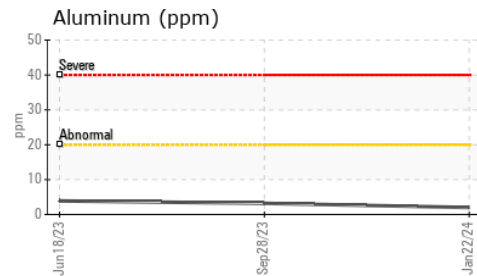
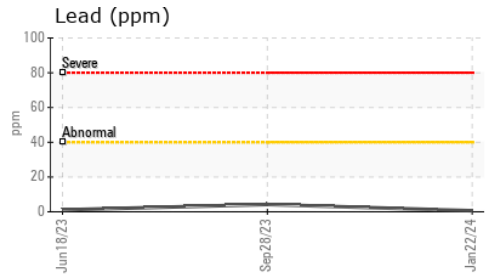
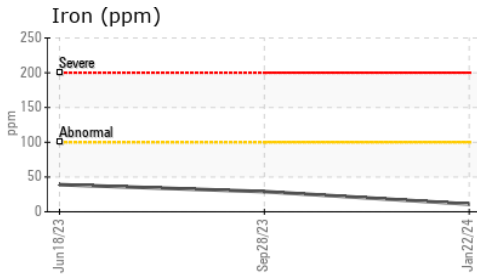


FLUID DEGRADATION		method	limit/base	current	history1	history2
Oxidation	Abs./1mm	ASTM D7414*	>25	15.2	15.7	16.1
Base Number (BN)	mg KOH/g	ASTM D2896*	9.8	9.98	9.29	8.52

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	93.8	88.5	▲ 86.8
Visc @ 100°C	cSt	ASTM D7279(m)	15.6	13.2	12.6	12.5
Viscosity Index (VI)	Scale	ASTM D2270*	139	139	139	140

GRAPHS



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : PC0079393
Lab Number : 02613963
Unique Number : 5723058
Test Package : MOB 2 (Additional Tests: FuelDilution, Glycol, KV40, PercentFuel, VI)

Received : 07 Feb 2024
Tested : 08 Feb 2024
Diagnosed : 08 Feb 2024 - Wes Davis

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

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.