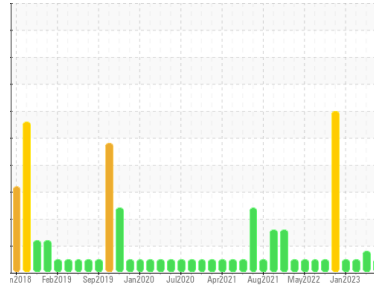


Machine Id
3014

Component
Rear Diesel Engine

Fluid
PETRO CANADA DURON HP 15W40 (21 LTR)



DIAGNOSIS

Recommendation

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

Il n'y a aucun indice de contamination 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			PC0074562	PC0073504	PC0074636
Sample Date	Client Info			24 Jul 2023	26 May 2023	16 Mar 2023
Machine Age	kms	Client Info		0	0	0
Oil Age	kms	Client Info		10213	25827	8228
Oil Changed	Client Info			Changed	Changed	Changed
Sample Status				NORMAL	ABNORMAL	NORMAL

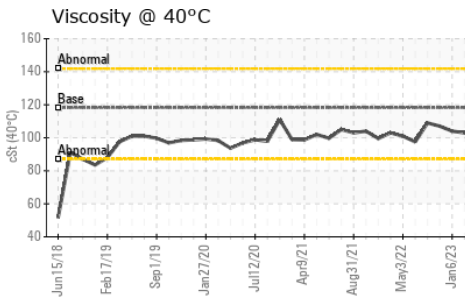
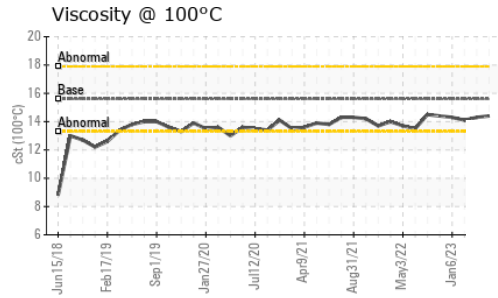
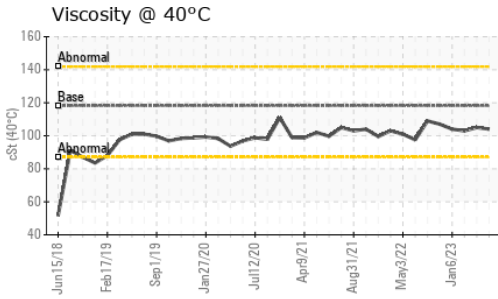
CONTAMINATION		method	limit/base	current	history1	history2
Fuel	WC Method		>3.0	<1.0	<1.0	<1.0
Glycol	WC Method			NEG	NEG	NEG

WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185(m)	>75	39	48	30
Chromium	ppm	ASTM D5185(m)	>5	3	8	3
Nickel	ppm	ASTM D5185(m)	>4	<1	<1	0
Titanium	ppm	ASTM D5185(m)	>2	0	<1	<1
Silver	ppm	ASTM D5185(m)	>2	<1	0	0
Aluminum	ppm	ASTM D5185(m)	>15	2	4	3
Lead	ppm	ASTM D5185(m)	>25	<1	<1	<1
Copper	ppm	ASTM D5185(m)	>100	2	2	1
Tin	ppm	ASTM D5185(m)	>4	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	2
Barium	ppm	ASTM D5185(m)	0	0	0	0
Molybdenum	ppm	ASTM D5185(m)	60	61	62	62
Manganese	ppm	ASTM D5185(m)	0	<1	<1	<1
Magnesium	ppm	ASTM D5185(m)	1010	996	987	1013
Calcium	ppm	ASTM D5185(m)	1070	1054	1102	1140
Phosphorus	ppm	ASTM D5185(m)	1150	1077	1092	1125
Zinc	ppm	ASTM D5185(m)	1270	1223	1205	1250
Sulfur	ppm	ASTM D5185(m)	2060	2514	2580	2651
Lithium	ppm	ASTM D5185(m)		<1	<1	<1

CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185(m)	>25	9	9	6
Sodium	ppm	ASTM D5185(m)		6	7	9
Potassium	ppm	ASTM D5185(m)	>20	<1	1	4

INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	ASTM D7844*	>6	0.7	0.7	0.2
Nitration	Abs/cm	ASTM D7624*	>20	9.8	10.0	7.9
Sulfation	Abs./1mm	ASTM D7415*	>30	22.7	22.0	21.0

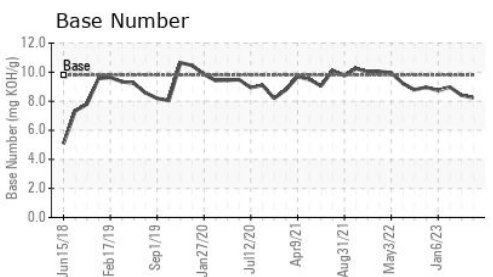
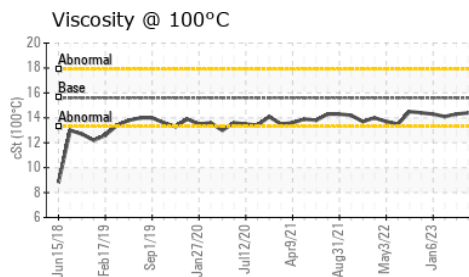
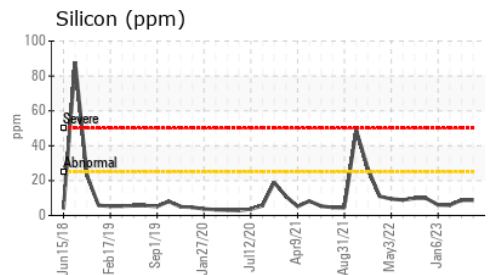
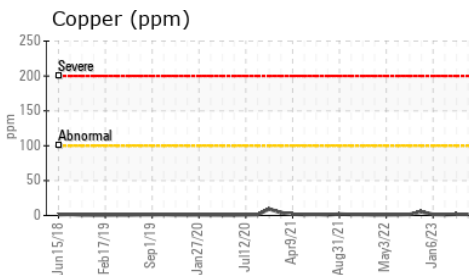
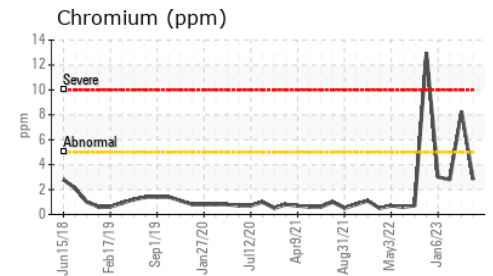
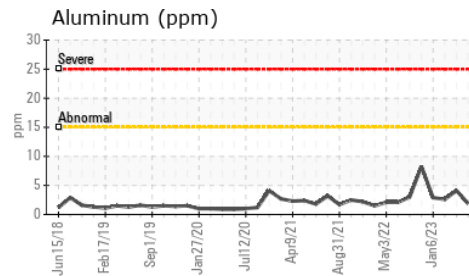
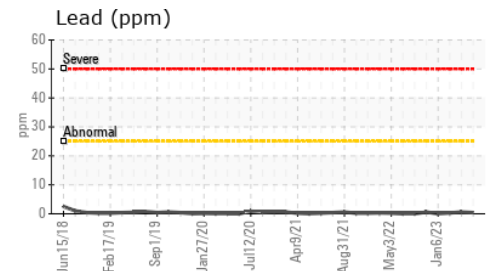
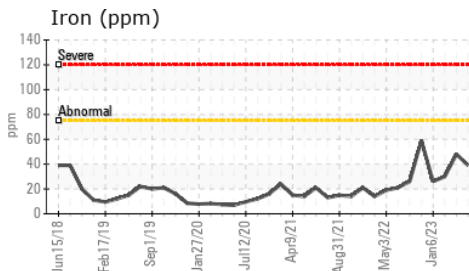


FLUID DEGRADATION		method	limit/base	current	history1	history2
Oxidation	Abs/.1mm	ASTM D7414*	>25	16.7	17.7	13.5
Base Number (BN)	mg KOH/g	ASTM D2896*	9.8	8.24	8.41	8.98

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	104	105	103
Visc @ 100°C	cSt	ASTM D7279(m)	15.6	14.4	14.3	14.1
Viscosity Index (VI)	Scale	ASTM D2270*	139	142	139	139

GRAPHS



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : PC0074562 **Received** : 29 Aug 2023
Lab Number : **02579002** **Diagnosed** : 30 Aug 2023
Unique Number : 5632062 **Diagnostician** : Wes Davis
Test Package : MOB 2 (Additional Tests: KV40, 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.