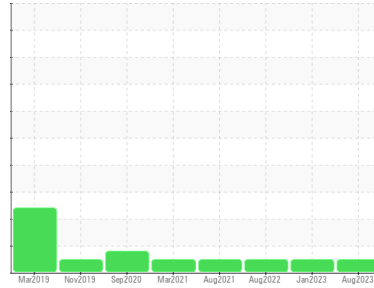


Machine Id
8106

Component
Diesel Engine

Fluid
PETRO CANADA DURON HP 15W40 (--- 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	PC0074403	PC0068809	PC0063505
Sample Date	Client Info	17 Aug 2023	05 Jan 2023	09 Aug 2022
Machine Age	kms Client Info	0	0	0
Oil Age	kms Client Info	36385	59490	61597
Oil Changed	Client Info	Changed	Changed	Changed
Sample Status		NORMAL	NORMAL	NORMAL

CONTAMINATION

method	limit/base	current	history1	history2
Fuel	WC Method >5	<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) >100	27	34	24
Chromium	ppm ASTM D5185(m) >20	<1	<1	<1
Nickel	ppm ASTM D5185(m) >4	0	<1	0
Titanium	ppm ASTM D5185(m)	0	<1	<1
Silver	ppm ASTM D5185(m) >3	<1	<1	0
Aluminum	ppm ASTM D5185(m) >20	4	5	4
Lead	ppm ASTM D5185(m) >40	2	1	1
Copper	ppm ASTM D5185(m) >330	4	4	4
Tin	ppm ASTM D5185(m) >15	<1	1	<1
Antimony	ppm ASTM D5185(m)	0	<1	<1
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	<1	<1
Barium	ppm ASTM D5185(m) 0	0	0	0
Molybdenum	ppm ASTM D5185(m) 60	62	62	57
Manganese	ppm ASTM D5185(m) 0	<1	<1	<1
Magnesium	ppm ASTM D5185(m) 1010	1008	997	957
Calcium	ppm ASTM D5185(m) 1070	1074	1130	1079
Phosphorus	ppm ASTM D5185(m) 1150	1037	1065	1028
Zinc	ppm ASTM D5185(m) 1270	1222	1207	1185
Sulfur	ppm ASTM D5185(m) 2060	2156	2105	2106
Lithium	ppm ASTM D5185(m)	<1	<1	<1

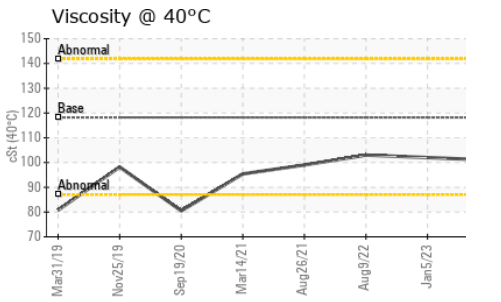
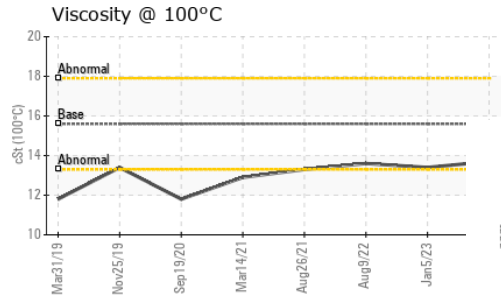
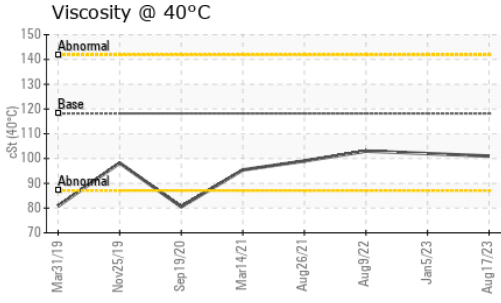
CONTAMINANTS

method	limit/base	current	history1	history2
Silicon	ppm ASTM D5185(m) >25	4	5	4
Sodium	ppm ASTM D5185(m)	8	7	6
Potassium	ppm ASTM D5185(m) >20	2	2	2

INFRA-RED

method	limit/base	current	history1	history2
Soot %	% ASTM D7844* >3	0.4	0.1	0.3
Nitration	Abs/cm ASTM D7624* >20	9.3	6.6	9.5
Sulfation	Abs./1mm ASTM D7415* >30	23.5	20.0	23.1

OIL ANALYSIS REPORT

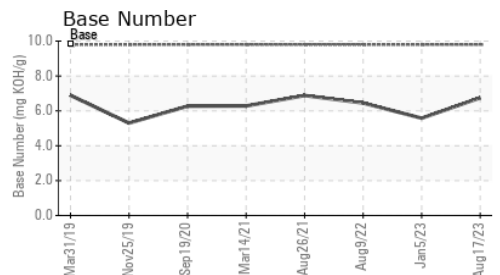
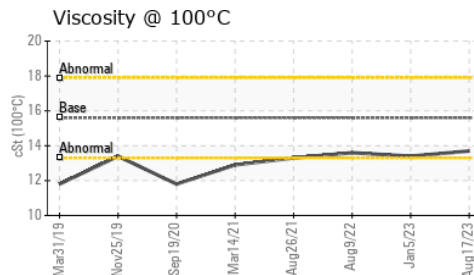
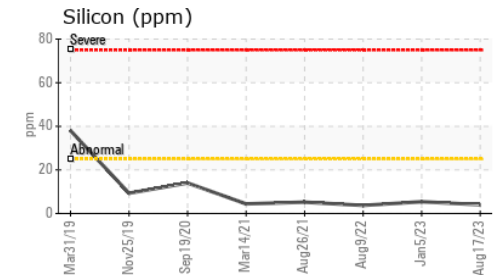
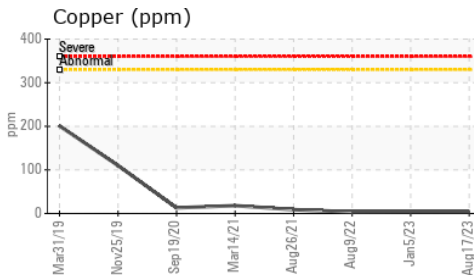
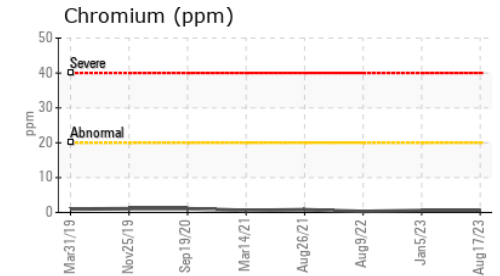
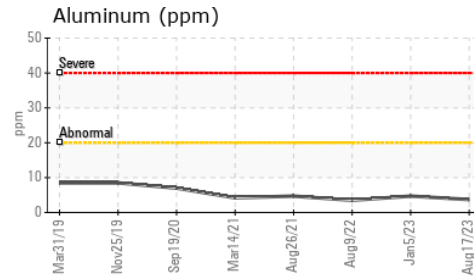
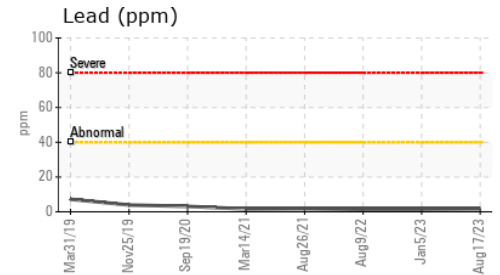
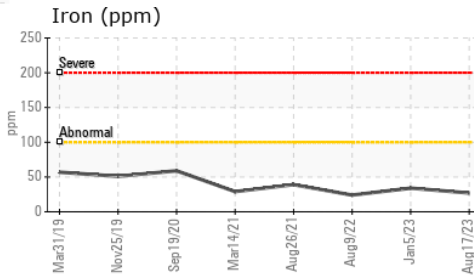


FLUID DEGRADATION		method	limit/base	current	history1	history2
Oxidation	Abs./1mm	ASTM D7414*	>25	18.5	12.4	19.0
Base Number (BN)	mg KOH/g	ASTM D2896*	9.8	6.75	5.58	6.45

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	101	102	103
Visc @ 100°C	cSt	ASTM D7279(m)	15.6	13.7	13.4	13.6
Viscosity Index (VI)	Scale	ASTM D2270*	139	136	130	131

GRAPHS



ISO 17025:2017
Accredited
Laboratory

Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : PC0074403 **Received** : 22 Aug 2023
Lab Number : **02577341** **Diagnosed** : 22 Aug 2023
Unique Number : 5630401 **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.

T:
F: