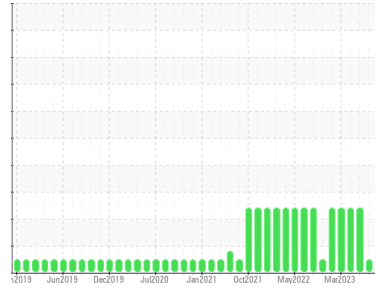


Machine Id
3044

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	PC0074397	PC0073966	PC0073532	
Sample Date	Client Info	08 Aug 2023	13 Jun 2023	03 May 2023	
Machine Age	kms	Client Info	0	0	
Oil Age	kms	Client Info	10894	10343	11204
Oil Changed	Client Info	Changed	Changed	Changed	
Sample Status		NORMAL	NORMAL	ABNORMAL	

CONTAMINATION

method	limit/base	current	history1	history2
Fuel	WC Method >5	<1.0	<1.0	<1.0

WEAR METALS

method	limit/base	current	history1	history2
Iron	ppm ASTM D5185(m) >100	21	13	18
Chromium	ppm ASTM D5185(m) >20	4	2	3
Nickel	ppm ASTM D5185(m) >4	1	<1	<1
Titanium	ppm ASTM D5185(m)	<1	0	<1
Silver	ppm ASTM D5185(m) >3	0	<1	0
Aluminum	ppm ASTM D5185(m) >20	4	2	3
Lead	ppm ASTM D5185(m) >40	0	0	<1
Copper	ppm ASTM D5185(m) >330	2	1	2
Tin	ppm ASTM D5185(m) >15	0	0	0
Antimony	ppm ASTM D5185(m)	0	<1	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

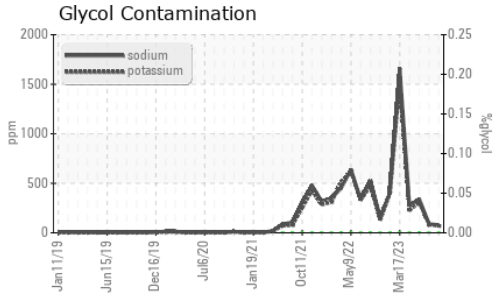
method	limit/base	current	history1	history2
Boron	ppm ASTM D5185(m) 0	1	2	4
Barium	ppm ASTM D5185(m) 0	0	0	0
Molybdenum	ppm ASTM D5185(m) 60	61	64	77
Manganese	ppm ASTM D5185(m) 0	<1	<1	<1
Magnesium	ppm ASTM D5185(m) 1010	959	1013	978
Calcium	ppm ASTM D5185(m) 1070	1004	1070	1108
Phosphorus	ppm ASTM D5185(m) 1150	1026	1093	1111
Zinc	ppm ASTM D5185(m) 1270	1162	1235	1203
Sulfur	ppm ASTM D5185(m) 2060	2477	2635	2685
Lithium	ppm ASTM D5185(m)	<1	<1	<1

CONTAMINANTS

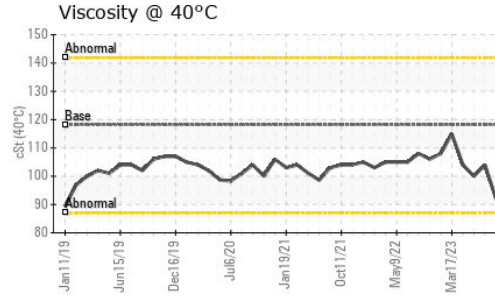
method	limit/base	current	history1	history2
Silicon	ppm ASTM D5185(m) >25	5	4	6
Sodium	ppm ASTM D5185(m)	80	90	▲ 343
Potassium	ppm ASTM D5185(m) >20	69	81	▲ 307
Glycol	% ASTM D7922*	0.0	0.0	0.0

INFRA-RED

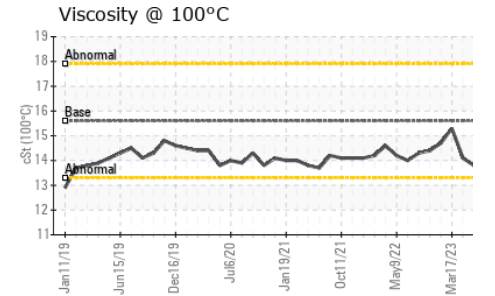
method	limit/base	current	history1	history2
Soot %	% ASTM D7844* >3	0.2	0.1	0.1
Nitration	Abs/cm ASTM D7624* >20	7.9	7.1	8.3
Sulfation	Abs/.1mm ASTM D7415* >30	20.8	19.8	19.9



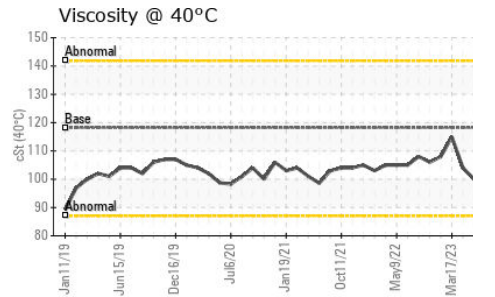
FLUID DEGRADATION		method	limit/base	current	history1	history2
Oxidation	Abs./1mm	ASTM D7414*	>25	14.8	14.9	15.2
Base Number (BN)	mg KOH/g	ASTM D2896*	9.8	8.95	9.32	10.20



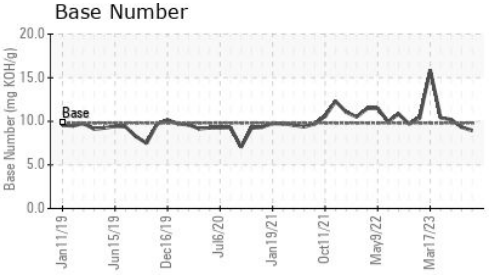
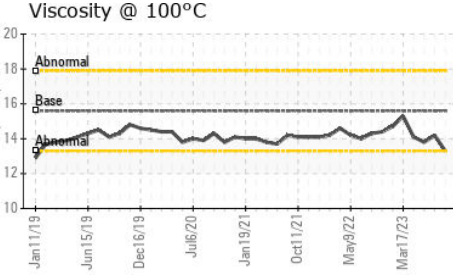
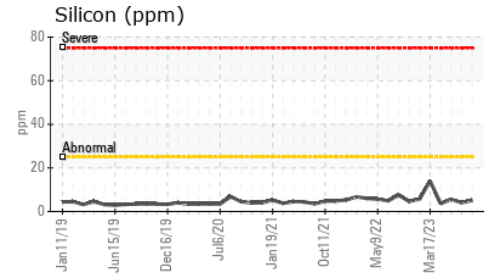
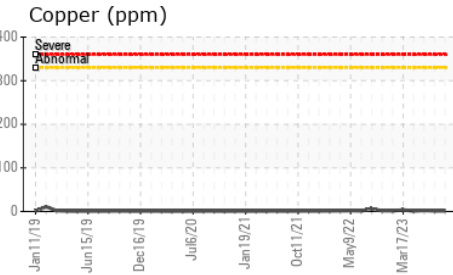
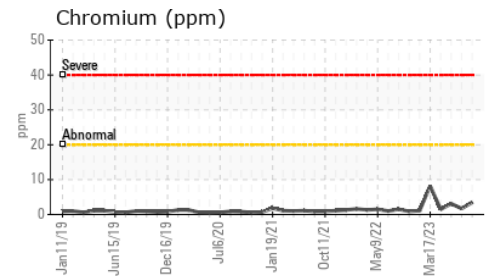
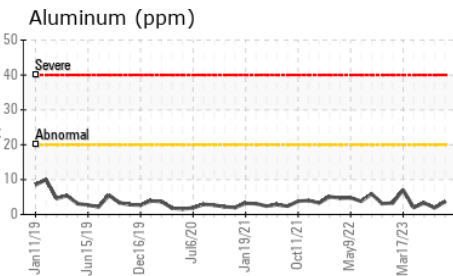
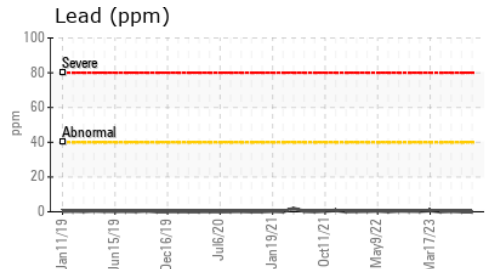
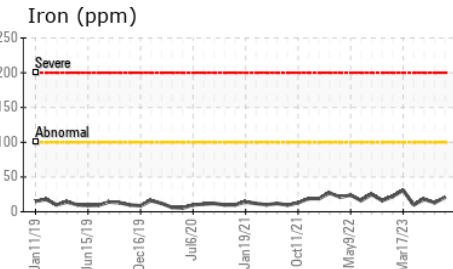
VISUAL		method	limit/base	current	history1	history2
Emulsified Water	scalar	Visual*	>0.2	NEG	NEG	NEG
Free Water	scalar	Visual*		NEG	NEG	NEG



FLUID PROPERTIES		method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D7279(m)	118.2	92.0	104	100
Visc @ 100°C	cSt	ASTM D7279(m)	15.6	13.3	14.2	13.8
Viscosity Index (VI)	Scale	ASTM D2270*	139	144	139	139



GRAPHS



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : PC0074397
Lab Number : 02578999
Unique Number : 5632059
Test Package : MOB 2 (Additional Tests: Glycol, 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.