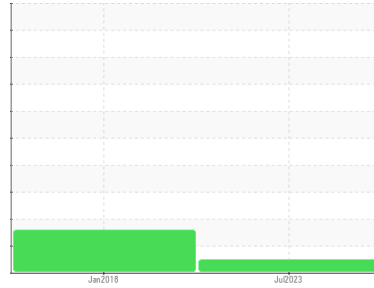


Machine Id
FREIGHTLINER 300-64

Component
Diesel Engine

Fluid
PETRO CANADA DURON SHP 10W30 (28 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			PC0070767	PC395729	---
Sample Date	Client Info			12 Jul 2023	18 Jan 2018	---
Machine Age	hrs	Client Info		20926	12744	---
Oil Age	hrs	Client Info		70	545	---
Oil Changed	Client Info			Changed	Changed	---
Sample Status				NORMAL	ABNORMAL	---

CONTAMINATION		method	limit/base	current	history1	history2
Fuel	WC Method	>5		<1.0	0.5	---
Glycol	WC Method			NEG	NEG	---

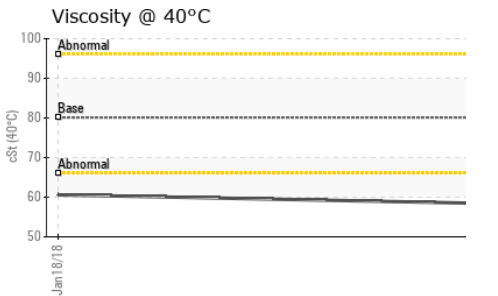
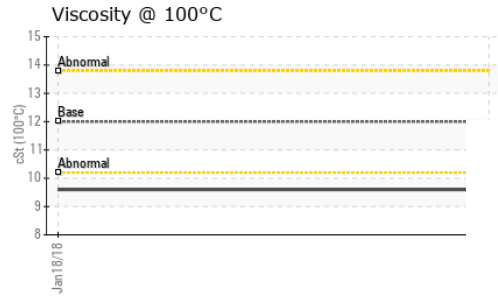
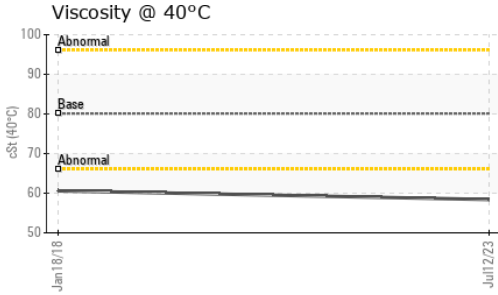
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185(m)	>80	8	27	---
Chromium	ppm	ASTM D5185(m)	>5	<1	3	---
Nickel	ppm	ASTM D5185(m)	>2	<1	<1	---
Titanium	ppm	ASTM D5185(m)		0	<1	---
Silver	ppm	ASTM D5185(m)	>3	0	0	---
Aluminum	ppm	ASTM D5185(m)	>30	2	4	---
Lead	ppm	ASTM D5185(m)	>30	0	2	---
Copper	ppm	ASTM D5185(m)	>150	<1	6	---
Tin	ppm	ASTM D5185(m)	>5	0	<1	---
Antimony	ppm	ASTM D5185(m)		<1	1	---
Vanadium	ppm	ASTM D5185(m)		0	0	---
Beryllium	ppm	ASTM D5185(m)		0	0	---
Cadmium	ppm	ASTM D5185(m)		0	0	---

ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185(m)	2	7	13	---
Barium	ppm	ASTM D5185(m)	0	0	0	---
Molybdenum	ppm	ASTM D5185(m)	50	58	63	---
Manganese	ppm	ASTM D5185(m)	0	<1	<1	---
Magnesium	ppm	ASTM D5185(m)	950	936	873	---
Calcium	ppm	ASTM D5185(m)	1050	1022	1175	---
Phosphorus	ppm	ASTM D5185(m)	995	1040	969	---
Zinc	ppm	ASTM D5185(m)	1180	1172	1228	---
Sulfur	ppm	ASTM D5185(m)	2600	2550	2605	---
Lithium	ppm	ASTM D5185(m)		<1	<1	---

CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185(m)	>20	4	▲ 45	---
Sodium	ppm	ASTM D5185(m)		2	3	---
Potassium	ppm	ASTM D5185(m)	>20	<1	3	---

INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	ASTM D7844*	>3	0	0.2	---
Nitration	Abs/cm	ASTM D7624*	>20	8.4	10.8	---
Sulfation	Abs./1mm	ASTM D7415*	>30	19.3	21.8	---

OIL ANALYSIS REPORT

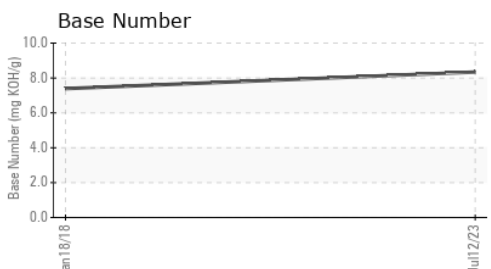
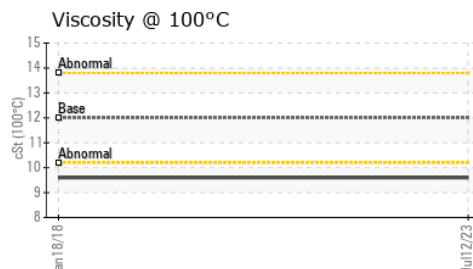
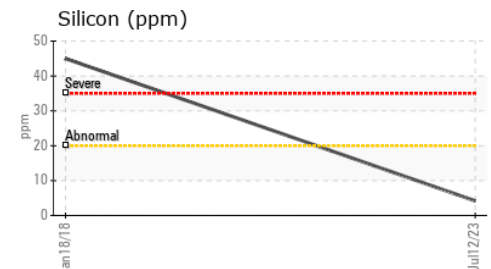
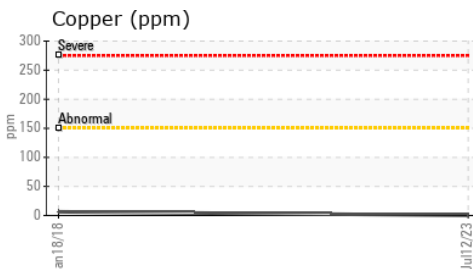
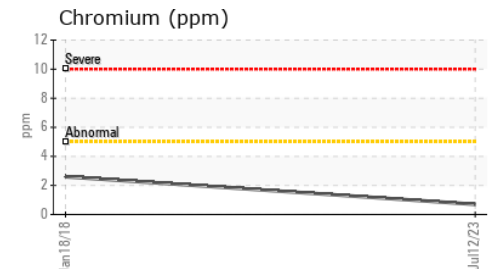
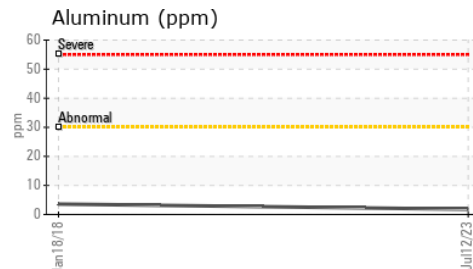
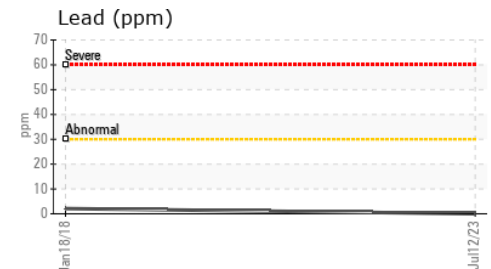
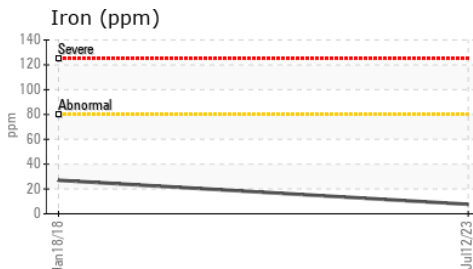


FLUID DEGRADATION		method	limit/base	current	history1	history2
Oxidation	Abs./1mm	ASTM D7414*	>25	16.1	19.9	---
Base Number (BN)	mg KOH/g	ASTM D2896*		8.34	7.39	---

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

FLUID PROPERTIES		method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D7279(m)	80.1	58.4	60.6	---
Visc @ 100°C	cSt	ASTM D7279(m)	12.00	9.6	9.6	---
Viscosity Index (VI)	Scale	ASTM D2270*	144	148	141	---

GRAPHS



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : PC0070767 **Received** : 18 Jul 2023
Lab Number : **02570525** **Diagnosed** : 18 Jul 2023
Unique Number : 5607571 **Diagnostician** : Wes Davis
Test Package : MOB 2 (Additional Tests: KV40, VI)

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 T: (418)621-5150
 F: (418)621-0822

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.