

Machine Id
VOLVO VN 1833 (S/N 4V4NC9EH1JN887746)

Component
Diesel Engine

Fluid
PETRO CANADA DURON SHP 10W30 (36 LTR)

DIAGNOSIS

Recommendation

Veillez noter que tous les métaux d'usure et les niveaux de contaminants sont considérés comme cumulatifs. 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			PC0073719	PC0041931	PC401781
Sample Date	Client Info			07 Jul 2023	13 Sep 2022	07 Sep 2019
Machine Age	kms	Client Info		854341	744828	301357
Oil Age	kms	Client Info		109513	73000	47464
Oil Changed	Client Info			Changed	Changed	Changed
Sample Status				NORMAL	NORMAL	NORMAL

CONTAMINATION		method	limit/base	current	history1	history2
Fuel	WC Method	>6.0		<1.0	<1.0	<1.0
Glycol	WC Method			NEG	NEG	0.0

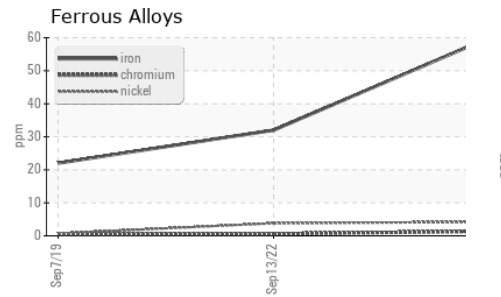
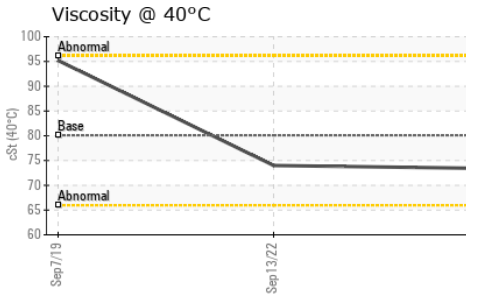
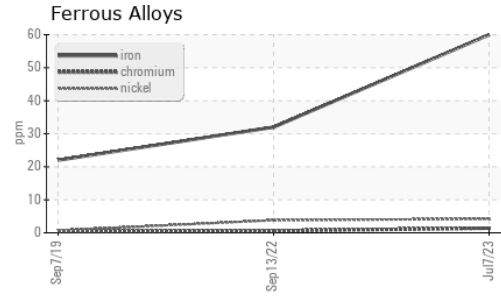
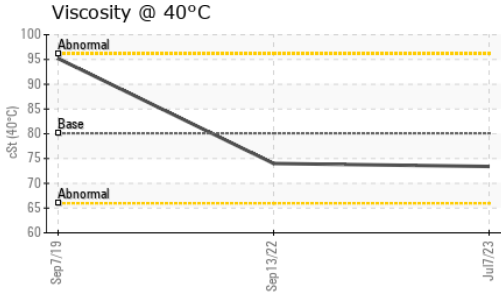
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185(m)	>100	60	32	22
Chromium	ppm	ASTM D5185(m)	>20	1	<1	<1
Nickel	ppm	ASTM D5185(m)	>2	4	4	<1
Titanium	ppm	ASTM D5185(m)		<1	<1	<1
Silver	ppm	ASTM D5185(m)	>2	0	0	<1
Aluminum	ppm	ASTM D5185(m)	>25	5	3	5
Lead	ppm	ASTM D5185(m)	>40	5	4	3
Copper	ppm	ASTM D5185(m)	>330	16	13	25
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)	2	1	2	1
Barium	ppm	ASTM D5185(m)	0	0	0	<1
Molybdenum	ppm	ASTM D5185(m)	50	59	55	54
Manganese	ppm	ASTM D5185(m)	0	<1	<1	<1
Magnesium	ppm	ASTM D5185(m)	950	948	841	847
Calcium	ppm	ASTM D5185(m)	1050	1079	1137	1161
Phosphorus	ppm	ASTM D5185(m)	995	1015	965	963
Zinc	ppm	ASTM D5185(m)	1180	1220	1155	1192
Sulfur	ppm	ASTM D5185(m)	2600	2062	2232	2290
Lithium	ppm	ASTM D5185(m)		<1	<1	<1

CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185(m)	>25	9	8	4
Sodium	ppm	ASTM D5185(m)		7	9	5
Potassium	ppm	ASTM D5185(m)	>20	3	3	10

INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	ASTM D7844*	>3	0.6	0.5	0.5
Nitration	Abs/cm	ASTM D7624*	>20	10.6	10.2	9.5
Sulfation	Abs./1mm	ASTM D7415*	>30	23.7	23.7	23.6

OIL ANALYSIS REPORT

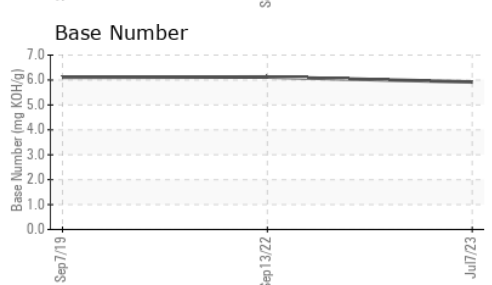
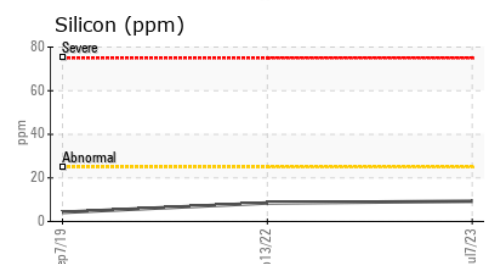
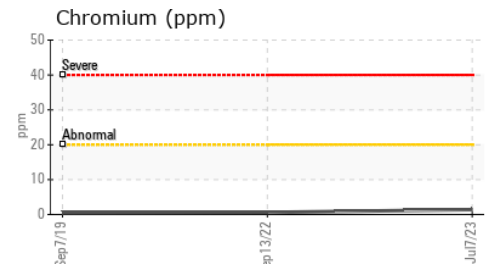
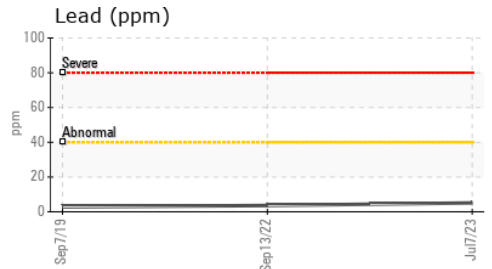
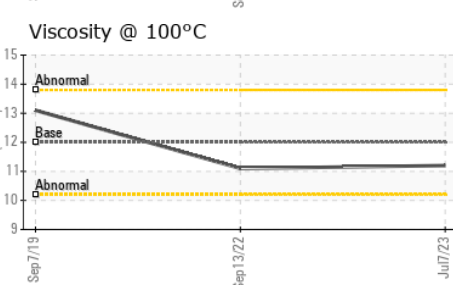
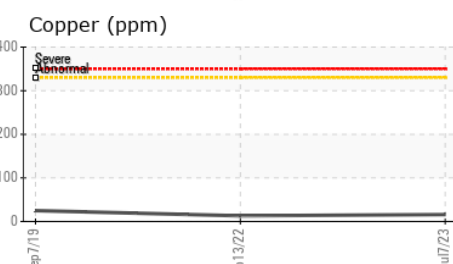
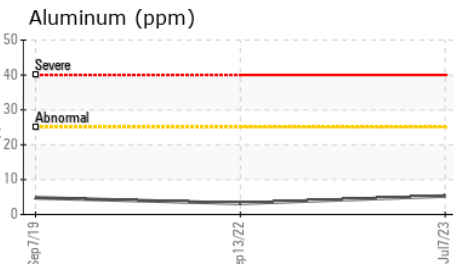
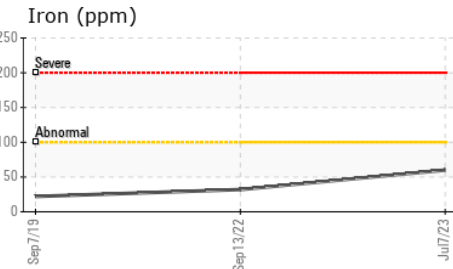


FLUID DEGRADATION		method	limit/base	current	history1	history2
Oxidation	Abs./1mm	ASTM D7414*	>25	18.8	18.5	16.4
Base Number (BN)	mg KOH/g	ASTM D2896*		5.92	6.12	6.11

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)	80.1	73.4	74.0	95.2
Visc @ 100°C	cSt	ASTM D7279(m)	12.00	11.2	11.1	13.1
Viscosity Index (VI)	Scale	ASTM D2270*	144	143	140	135

GRAPHS



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : PC0073719 **Received** : 08 Aug 2023
Lab Number : **02574383** **Diagnosed** : 08 Aug 2023
Unique Number : 5619434 **Diagnostician** : Kevin Marson
Test Package : MOB 2 (Additional Tests: KV40, VI)

HUILES DESROCHES INC.
 915 RUE PHILIPPE-PARADIS, LOCAL 115
 QUEBEC, QC
 CA G1N 4E3
 Contact: David Labrecque
 david.labrecque@groupe-desroches.ca
 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.