

Machine Id
VOLVO VNL760 2246
Component
Front Diesel Engine
Fluid
PETRO CANADA DURON SHP 10W30 (--- GAL)

RECOMMENDATION

Nous vous recommandons de vidanger l'huile de ce composant si vous ne l'avez pas déjà fait. Nous vous recommandons d'échantillonner de nouveau dès que possible afin de contrôler la situation.

WEAR

Usure de la soupape d'échappement.

CONTAMINATION

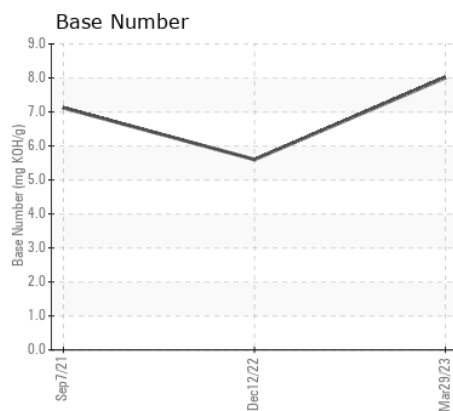
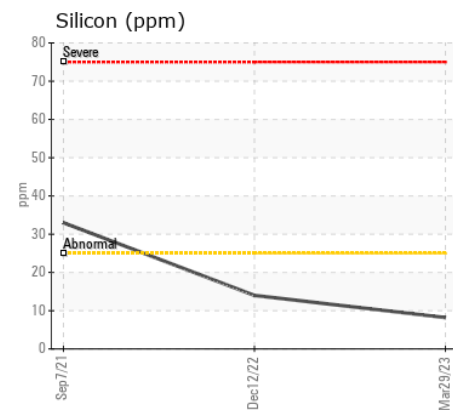
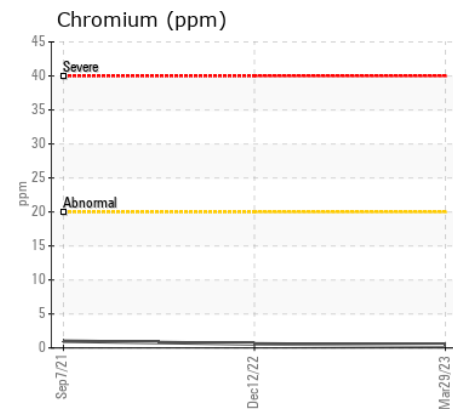
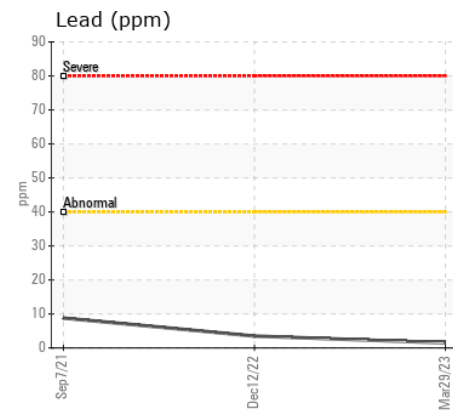
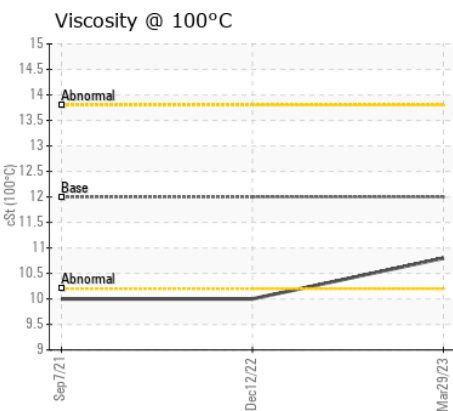
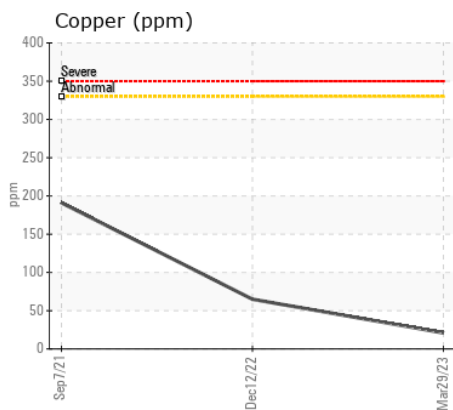
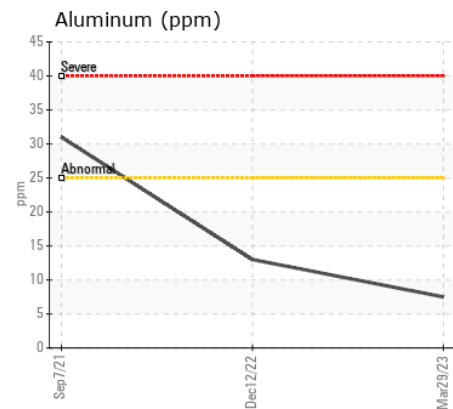
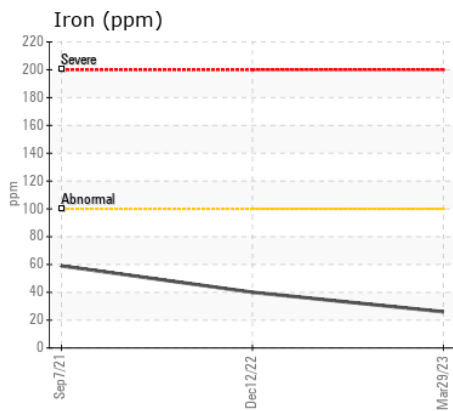
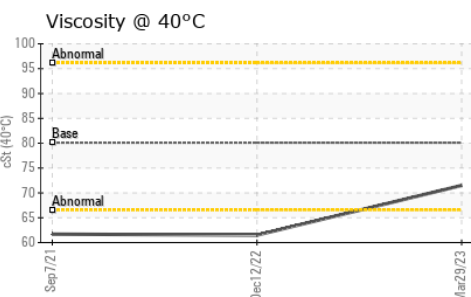
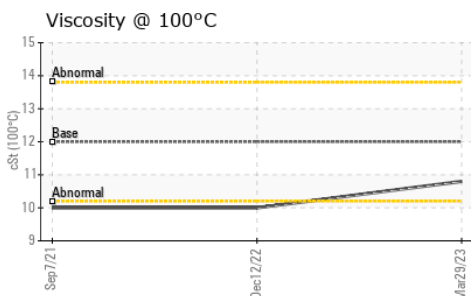
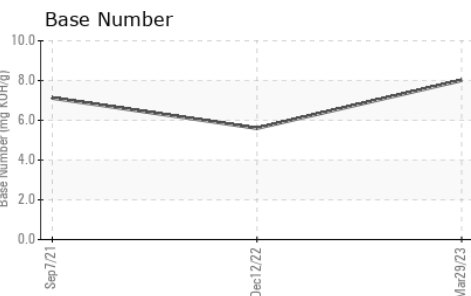
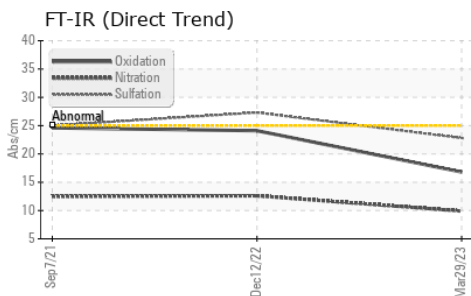
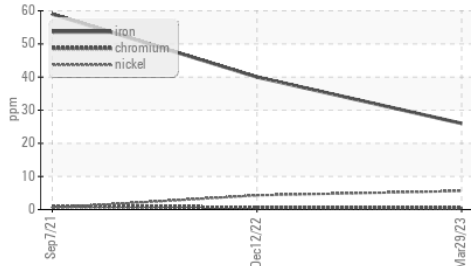
Elevated aluminum (Al) and/or lead (Pb) and potassium (K) levels in your metals analysis are likely a result of solder flux release into the lubricant and is common on new equipment/components. Il n'y a aucun indice de contamination dans l'huile.

FLUID CONDITION

Le résultat pour le BN indique que la réserve d'alcalinité est acceptable pour l'huile. l'huile n'est plus en état de service en raison d'une usure anormale et/ou sévère.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		PC0073722	PC0041932	PC0041925
Sample Date		Client Info		29 Mar 2023	12 Dec 2022	07 Sep 2021
Machine Age	kms	Client Info		279913	233780	70228
Oil Age	kms	Client Info		46133	93810	70228
Filter Age	kms	Client Info		46133	93810	70228
Oil Changed		Client Info		Not Changd	Changed	Changed
Filter Changed		Client Info		Not Changd	Changed	Changed
Sample Status				SEVERE	ABNORMAL	ABNORMAL
Iron	ppm	ASTM D5185(m)	>100	26	40	59
Chromium	ppm	ASTM D5185(m)	>20	<1	<1	1
Nickel	ppm	ASTM D5185(m)	>2	▲ 6	▲ 4	<1
Titanium	ppm	ASTM D5185(m)		<1	<1	0
Silver	ppm	ASTM D5185(m)	>2	<1	0	<1
Aluminum	ppm	ASTM D5185(m)	>25	8	13	31
Lead	ppm	ASTM D5185(m)	>40	2	4	9
Copper	ppm	ASTM D5185(m)	>330	21	65	191
Tin	ppm	ASTM D5185(m)	>15	1	2	7
Vanadium	ppm	ASTM D5185(m)		0	0	<1
Silicon	ppm	ASTM D5185(m)	>25	8	14	33
Potassium	ppm	ASTM D5185(m)	>20	24	24	81
Fuel		WC Method	>5	<1.0	<1.0	0.1
Water		WC Method	>0.2	NEG	NEG	NEG
Glycol		WC Method		NEG	NEG	NEG
Soot %	%	ASTM D7844*	>3	0.2	0.4	0.5
Nitration	Abs/cm	ASTM D7624*	>20	9.9	12.6	12.5
Sulfation	Abs/.1mm	ASTM D7415*	>30	22.8	27.3	25.0
Emulsified Water	scalar	Visual*	>0.2	NEG	NEG	NEG
Sodium	ppm	ASTM D5185(m)		3	6	6
Boron	ppm	ASTM D5185(m)	2	4	29	34
Barium	ppm	ASTM D5185(m)	0	0	0	<1
Molybdenum	ppm	ASTM D5185(m)	50	66	104	104
Manganese	ppm	ASTM D5185(m)	0	<1	1	4
Magnesium	ppm	ASTM D5185(m)	950	930	731	773
Calcium	ppm	ASTM D5185(m)	1050	1205	1474	1402
Phosphorus	ppm	ASTM D5185(m)	995	1048	711	715
Zinc	ppm	ASTM D5185(m)	1180	1173	805	824
Sulfur	ppm	ASTM D5185(m)	2600	2559	2030	1858
Oxidation	Abs/.1mm	ASTM D7414*	>25	16.8	24.1	24.6
Base Number (BN)	mg KOH/g	ASTM D2896*		8.01	5.60	7.12
Visc @ 40°C	cSt	ASTM D7279(m)	80.1	71.5	61.5	▲ 61.7
Visc @ 100°C	cSt	ASTM D7279(m)	12.00	10.8	10.0	10.0
Viscosity Index (VI)	Scale	ASTM D2270*	144	139	148	147

▲ Ferrous Alloys



ISO 17025:2017 Accredited Laboratory

Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : PC0073722
Lab Number : 02549842
Unique Number : 5554852
Test Package : MOB 2 (Additional Tests: KV40, VI)

Received : 05 Apr 2023
Tested : 05 Apr 2023
Diagnosed : 06 Apr 2023 - Kevin Marson

HUILES DESROCHES INC.
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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.