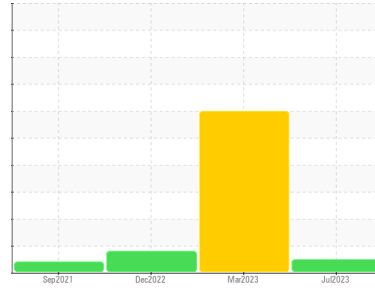


Machine Id
VOLVO VNL760 2246

Component
Front Diesel Engine

Fluid
PETRO CANADA DURON SHP 10W30 (--- GAL)



DIAGNOSIS

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

Présence d'une faible concentration de métal visible.

Contamination

Il n'y a aucun indice de contamination dans l'huile.

Fluid Condition

l'huile n'est plus en état de service en raison d'une usure anormale et/ou sévère.

SAMPLE INFORMATION		method	limit/base	current	history1	history2
Sample Number	Client Info			PC0073720	PC0073722	PC0041932
Sample Date	Client Info			31 Jul 2023	29 Mar 2023	12 Dec 2022
Machine Age	kms	Client Info		336001	279913	233780
Oil Age	kms	Client Info		48421	46133	93810
Oil Changed	Client Info			Not Chngd	Not Chngd	Changed
Sample Status				NORMAL	SEVERE	ABNORMAL

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

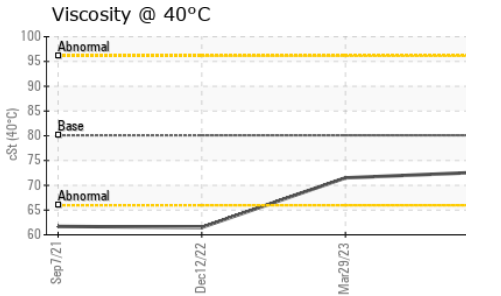
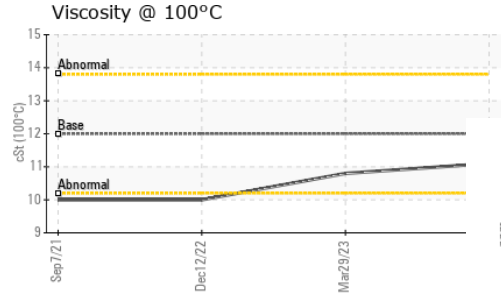
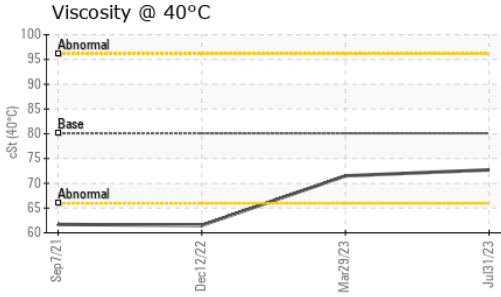
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185(m)	>100	21	26	40
Chromium	ppm	ASTM D5185(m)	>20	<1	<1	<1
Nickel	ppm	ASTM D5185(m)	>2	1	6	4
Titanium	ppm	ASTM D5185(m)		<1	<1	<1
Silver	ppm	ASTM D5185(m)	>2	<1	<1	0
Aluminum	ppm	ASTM D5185(m)	>25	4	8	13
Lead	ppm	ASTM D5185(m)	>40	<1	2	4
Copper	ppm	ASTM D5185(m)	>330	8	21	65
Tin	ppm	ASTM D5185(m)	>15	1	1	2
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	2	4	29
Barium	ppm	ASTM D5185(m)	0	0	0	0
Molybdenum	ppm	ASTM D5185(m)	50	60	66	104
Manganese	ppm	ASTM D5185(m)	0	<1	<1	1
Magnesium	ppm	ASTM D5185(m)	950	961	930	731
Calcium	ppm	ASTM D5185(m)	1050	1094	1205	1474
Phosphorus	ppm	ASTM D5185(m)	995	1041	1048	711
Zinc	ppm	ASTM D5185(m)	1180	1208	1173	805
Sulfur	ppm	ASTM D5185(m)	2600	2490	2559	2030
Lithium	ppm	ASTM D5185(m)		<1	<1	1

CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185(m)	>25	4	8	14
Sodium	ppm	ASTM D5185(m)		2	3	6
Potassium	ppm	ASTM D5185(m)	>20	6	24	24

INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	ASTM D7844*	>3	0.4	0.2	0.4
Nitration	Abs/cm	ASTM D7624*	>20	9.2	9.9	12.6
Sulfation	Abs./1mm	ASTM D7415*	>30	21.0	22.8	27.3

OIL ANALYSIS REPORT

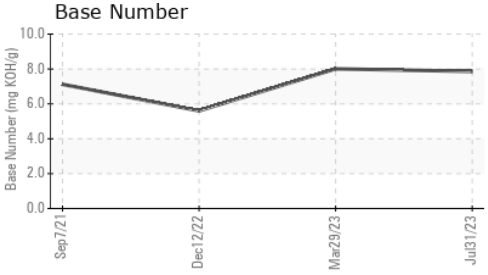
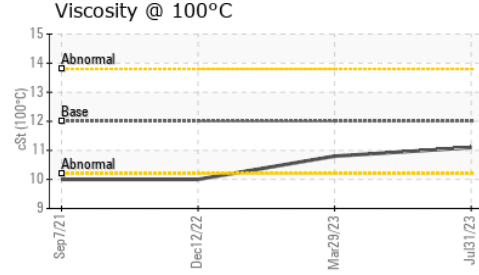
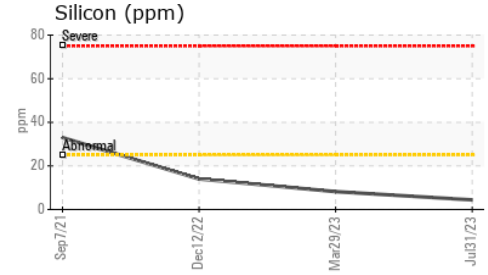
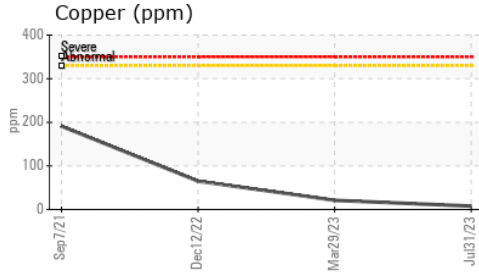
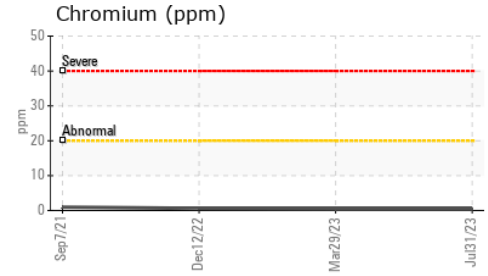
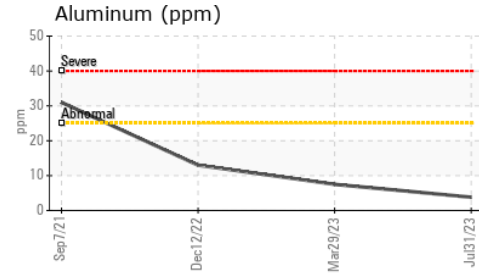
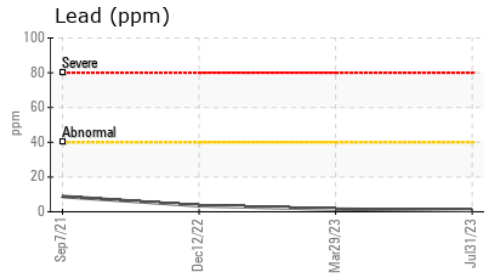
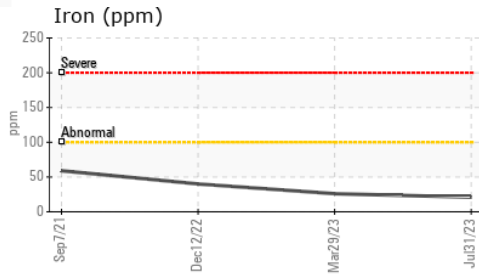


FLUID DEGRADATION		method	limit/base	current	history1	history2
Oxidation	Abs./1mm	ASTM D7414*	>25	16.0	16.8	24.1
Base Number (BN)	mg KOH/g	ASTM D2896*		7.86	8.01	5.60

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	72.7	71.5	61.5
Visc @ 100°C	cSt	ASTM D7279(m)	12.00	11.1	10.8	10.0
Viscosity Index (VI)	Scale	ASTM D2270*	144	143	139	148

GRAPHS



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : PC0073720
Lab Number : 02574381
Unique Number : 5619432
Test Package : MOB 2 (Additional Tests: BottomAnalysis, FILTERPATCH, KV40, VI)

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