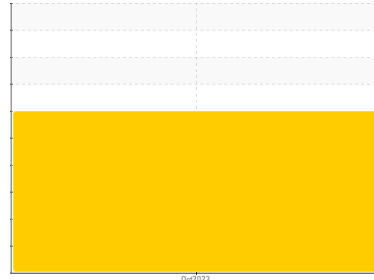




Machine Id
VOLVO VNL 2351

Component
Diesel Engine

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



DIAGNOSIS

Recommendation

Veillez noter que tous les métaux d'usure et les niveaux de contaminants sont considérés comme cumulatifs. Nous avons pris note que la vidange d'huile a été effectuée au moment de l'échantillonnage. Nous vous recommandons d'échantillonner de nouveau dès que possible afin de contrôler la situation. Veuillez communiquer avec un représentant LUBE360 Oil Diagnostics au sujet de l'achat d'une trousse d'échantillonnage appropriée à vos besoins. Notez: nous recommandons d'acheter les trousse MOB 2 pour cet équipement, Ce test inclut le BN (indice d'alcalinité) pour évaluer si l'huile peut encore servir.

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.

SAMPLE INFORMATION

method	limit/base	current	history1	history2
Sample Number	Client Info	PC0073714	---	---
Sample Date	Client Info	13 Oct 2023	---	---
Machine Age	kms Client Info	200169	---	---
Oil Age	kms Client Info	108932	---	---
Oil Changed	Client Info	Changed	---	---
Sample Status		SEVERE	---	---

CONTAMINATION

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

WEAR METALS

method	limit/base	current	history1	history2
Iron	ppm ASTM D5185(m) >100	62	---	---
Chromium	ppm ASTM D5185(m) >20	2	---	---
Nickel	ppm ASTM D5185(m) >2	16	---	---
Titanium	ppm ASTM D5185(m)	0	---	---
Silver	ppm ASTM D5185(m) >2	<1	---	---
Aluminum	ppm ASTM D5185(m) >25	20	---	---
Lead	ppm ASTM D5185(m) >40	6	---	---
Copper	ppm ASTM D5185(m) >330	99	---	---
Tin	ppm ASTM D5185(m) >15	3	---	---
Antimony	ppm ASTM D5185(m)	0	---	---
Vanadium	ppm ASTM D5185(m)	0	---	---
Beryllium	ppm ASTM D5185(m)	0	---	---
Cadmium	ppm ASTM D5185(m)	0	---	---

ADDITIVES

method	limit/base	current	history1	history2
Boron	ppm ASTM D5185(m) 2	3	---	---
Barium	ppm ASTM D5185(m) 0	<1	---	---
Molybdenum	ppm ASTM D5185(m) 50	69	---	---
Manganese	ppm ASTM D5185(m) 0	2	---	---
Magnesium	ppm ASTM D5185(m) 950	956	---	---
Calcium	ppm ASTM D5185(m) 1050	1160	---	---
Phosphorus	ppm ASTM D5185(m) 995	914	---	---
Zinc	ppm ASTM D5185(m) 1180	1150	---	---
Sulfur	ppm ASTM D5185(m) 2600	1773	---	---
Lithium	ppm ASTM D5185(m)	<1	---	---

CONTAMINANTS

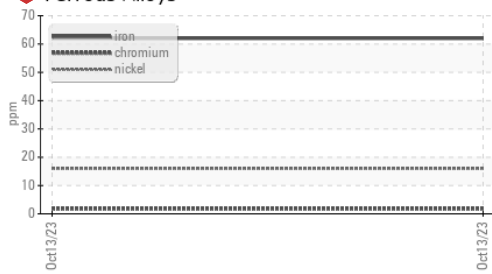
method	limit/base	current	history1	history2
Silicon	ppm ASTM D5185(m) >25	15	---	---
Sodium	ppm ASTM D5185(m)	4	---	---
Potassium	ppm ASTM D5185(m) >20	41	---	---

INFRA-RED

method	limit/base	current	history1	history2
Soot %	% ASTM D7844* >3	0.6	---	---
Nitration	Abs/cm ASTM D7624* >20	13.2	---	---
Sulfation	Abs./1mm ASTM D7415* >30	25.1	---	---

OIL ANALYSIS REPORT

Ferrous Alloys



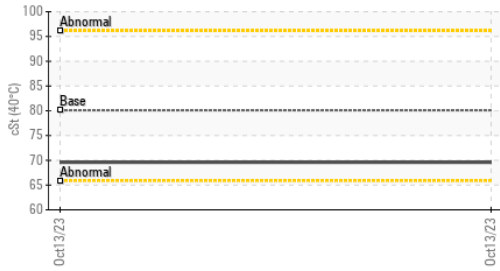
FLUID DEGRADATION		method	limit/base	current	history1	history2
Oxidation	Abs./1mm	ASTM D7414*	>25	23.2	---	---
Base Number (BN)	mg KOH/g	ASTM D2896*		6.01	---	---

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

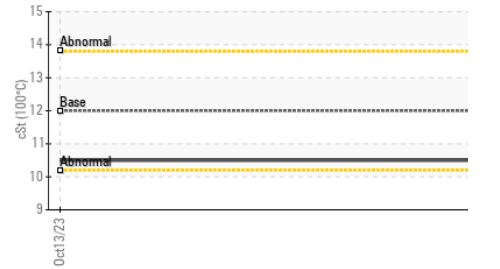
FLUID PROPERTIES		method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D7279(m)	80.1	69.6	---	---
Visc @ 100°C	cSt	ASTM D7279(m)	12.00	10.5	---	---
Viscosity Index (VI)	Scale	ASTM D2270*	144	137	---	---

GRAPHS

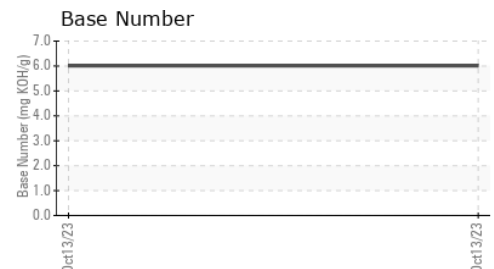
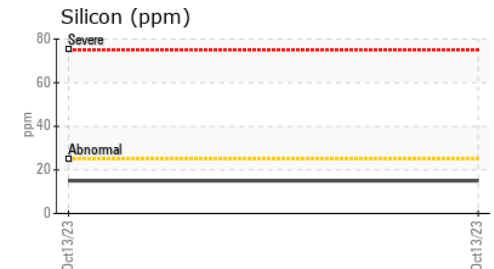
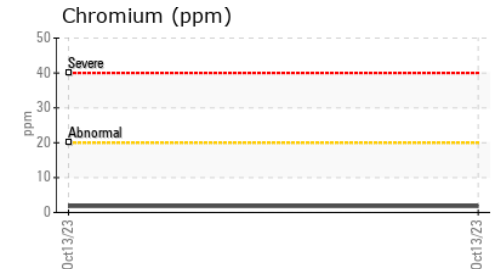
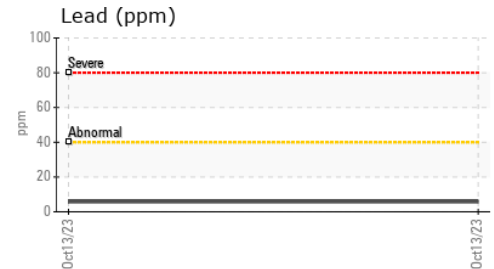
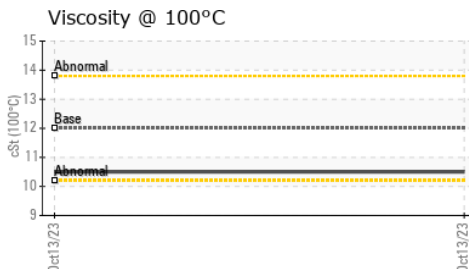
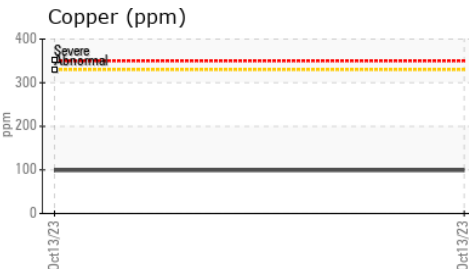
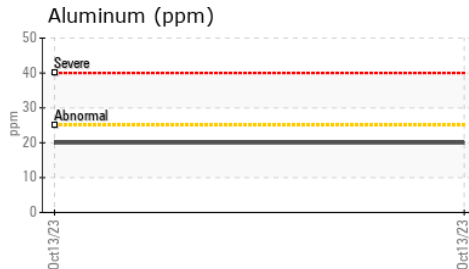
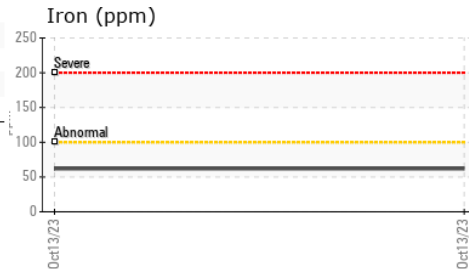
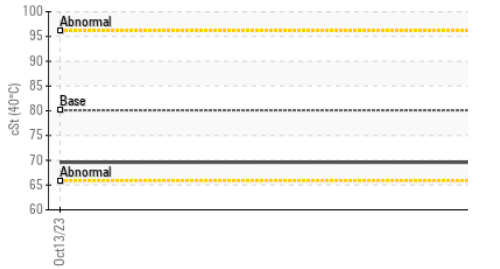
Viscosity @ 40°C



Viscosity @ 100°C



Viscosity @ 40°C



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : PC0073714
Lab Number : **02596462**
Unique Number : 5681542
Test Package : MOB 2 (Additional Tests: KV40, VI)

HUILES DESROCHES INC.
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 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.