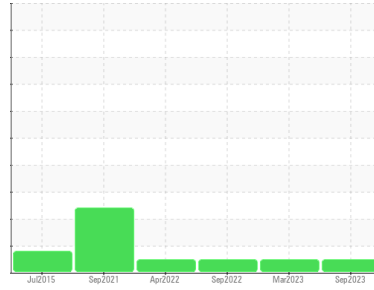




OIL ANALYSIS REPORT

Sample Rating Trend



NORMAL



Machine Id

255

Component

Diesel Engine

Fluid

PETRO CANADA DURON UHP 5W30 (--- GAL)

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		WC0846897	WC0776078	WC0731641
Sample Date	Client Info		27 Sep 2023	27 Mar 2023	13 Sep 2022
Machine Age	kms	Client Info	876172	853551	832718
Oil Age	kms	Client Info	22620	20833	0
Oil Changed	Client Info		Changed	Changed	Changed
Sample Status			NORMAL	NORMAL	NORMAL

CONTAMINATION

	method	limit/base	current	history1	history2
Fuel	WC Method	>3.0	<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)	>200	31	29	26
Chromium	ppm	ASTM D5185(m)	>20	3	3	2
Nickel	ppm	ASTM D5185(m)	>2	1	<1	<1
Titanium	ppm	ASTM D5185(m)	>2	0	<1	<1
Silver	ppm	ASTM D5185(m)	>2	<1	0	0
Aluminum	ppm	ASTM D5185(m)	>30	12	13	7
Lead	ppm	ASTM D5185(m)	>30	<1	<1	0
Copper	ppm	ASTM D5185(m)	>30	3	2	2
Tin	ppm	ASTM D5185(m)	>15	<1	<1	<1
Antimony	ppm	ASTM D5185(m)		0	0	0
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)	0	15	20	22
Barium	ppm	ASTM D5185(m)	0	<1	0	0
Molybdenum	ppm	ASTM D5185(m)	64	60	62	52
Manganese	ppm	ASTM D5185(m)	0	0	<1	<1
Magnesium	ppm	ASTM D5185(m)	1160	1098	1100	928
Calcium	ppm	ASTM D5185(m)	820	869	946	1086
Phosphorus	ppm	ASTM D5185(m)	1160	990	1097	1098
Zinc	ppm	ASTM D5185(m)	1260	1217	1241	1229
Sulfur	ppm	ASTM D5185(m)	3000	2602	2795	2773
Lithium	ppm	ASTM D5185(m)		<1	<1	<1

CONTAMINANTS

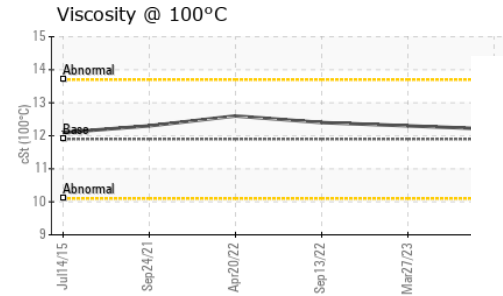
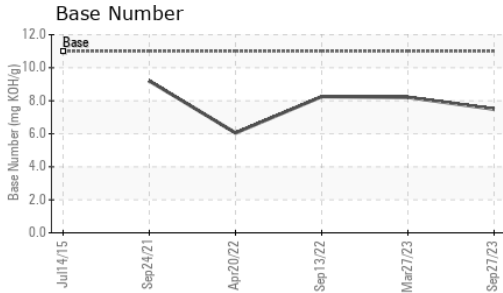
	method	limit/base	current	history1	history2	
Silicon	ppm	ASTM D5185(m)	>30	6	5	7
Sodium	ppm	ASTM D5185(m)		10	15	26
Potassium	ppm	ASTM D5185(m)	>20	2	7	15

INFRA-RED

	method	limit/base	current	history1	history2	
Soot %	%	ASTM D7844*	>3	0.6	0.2	0.3
Nitration	Abs/cm	ASTM D7624*	>20	12.1	12.1	11.2
Sulfation	Abs./1mm	ASTM D7415*	>30	23.5	25.0	23.1



OIL ANALYSIS REPORT

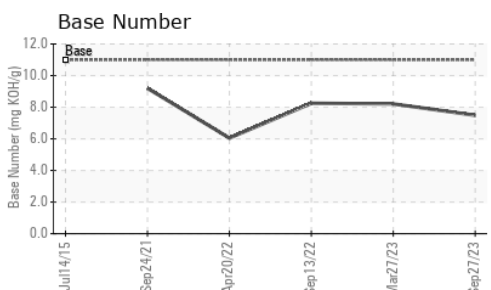
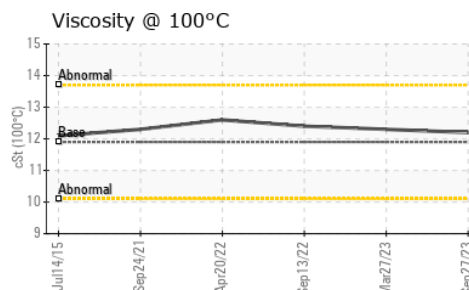
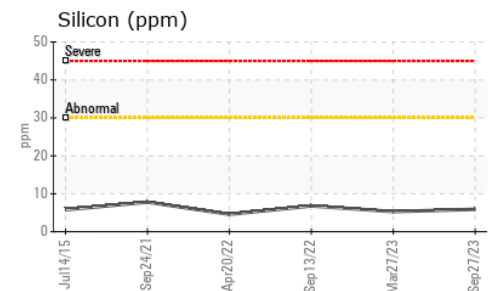
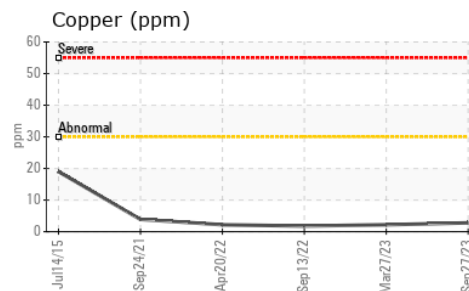
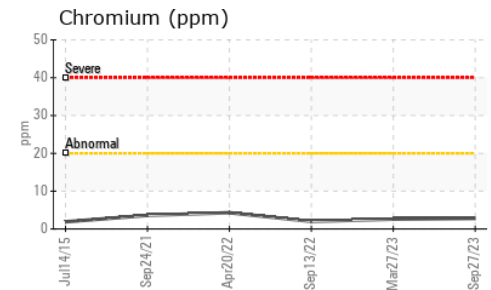
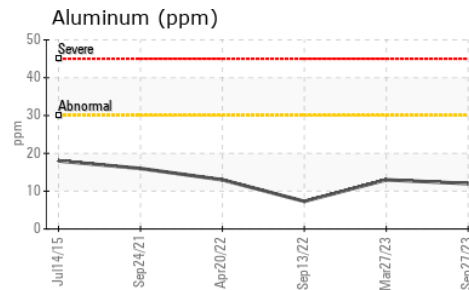
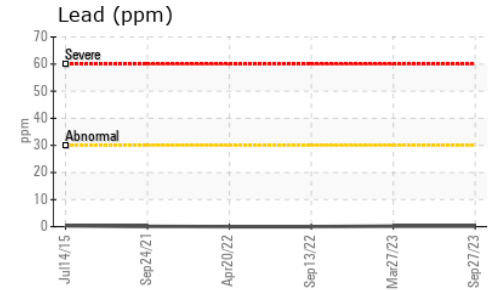
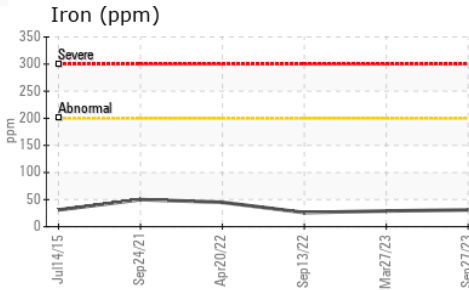


FLUID DEGRADATION	method	limit/base	current	history1	history2	
Oxidation	Abs./1mm	ASTM D7414*	>25	21.7	21.4	20.4
Base Number (BN)	mg KOH/g	ASTM D2896*	11.0	7.49	8.21	8.25

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 @ 100°C	cSt	ASTM D7279(m)	11.9	12.2	12.3	12.4

GRAPHS



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : WC0846897
Lab Number : 02589490
Unique Number : 5658556
Test Package : MOB 2

Levis - Transport Laberge
 3200 rue de l'etchemin
 Levis, QC
 CA G6W 7X6
 Contact: Stephane Godbout
 aviseur@transportlaberge.com
 T: (450)347-4336
 F:

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.