

OIL ANALYSIS REPORT

Sample Rating Trend

NORMAL



Machine Id
MACK 1320
Component
Diesel Engine
Fluid
CASTROL Vecton LD 10W30 (--- 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

La teneur en eau est négligeable. 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		PC0074412	---	---
Sample Date	Client Info		17 Jul 2023	---	---
Machine Age	kms	Client Info	244416	---	---
Oil Age	kms	Client Info	0	---	---
Oil Changed	Client Info		Changed	---	---
Sample Status			NORMAL	---	---

CONTAMINATION

	method	limit/base	current	history1	history2
Fuel	WC Method	>3.0	<1.0	---	---

WEAR METALS

	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185(m)	>120	19	---
Chromium	ppm	ASTM D5185(m)	>20	<1	---
Nickel	ppm	ASTM D5185(m)	>5	4	---
Titanium	ppm	ASTM D5185(m)	>2	0	---
Silver	ppm	ASTM D5185(m)	>2	<1	---
Aluminum	ppm	ASTM D5185(m)	>20	4	---
Lead	ppm	ASTM D5185(m)	>40	1	---
Copper	ppm	ASTM D5185(m)	>330	5	---
Tin	ppm	ASTM D5185(m)	>15	<1	---
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)		26	---
Barium	ppm	ASTM D5185(m)		0	---
Molybdenum	ppm	ASTM D5185(m)		63	---
Manganese	ppm	ASTM D5185(m)		<1	---
Magnesium	ppm	ASTM D5185(m)		1132	---
Calcium	ppm	ASTM D5185(m)		988	---
Phosphorus	ppm	ASTM D5185(m)		1040	---
Zinc	ppm	ASTM D5185(m)		1246	---
Sulfur	ppm	ASTM D5185(m)		2614	---
Lithium	ppm	ASTM D5185(m)		<1	---

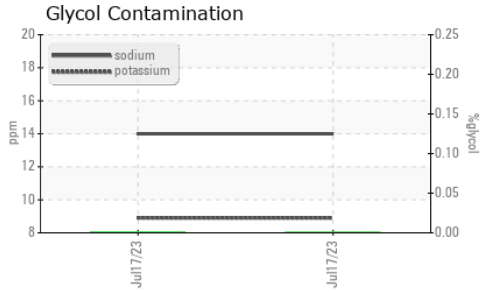
CONTAMINANTS

	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185(m)	>25	5	---
Sodium	ppm	ASTM D5185(m)		14	---
Potassium	ppm	ASTM D5185(m)	>20	9	---
Glycol	%	ASTM D7922*		0.0	---

INFRA-RED

	method	limit/base	current	history1	history2
Soot %	%	ASTM D7844*	>4	0.3	---
Nitration	Abs/cm	ASTM D7624*	>20	9.8	---
Sulfation	Abs./1mm	ASTM D7415*	>30	22.4	---

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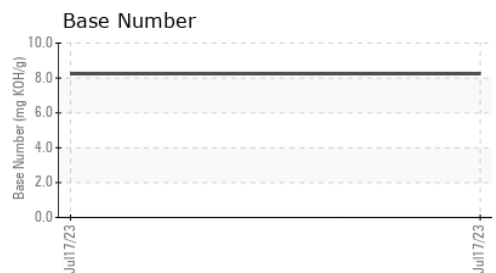
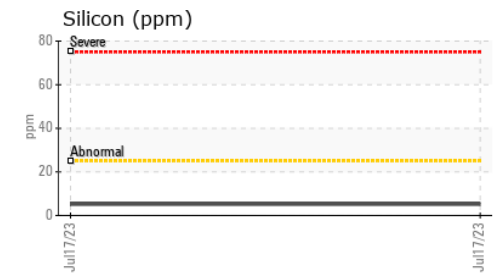
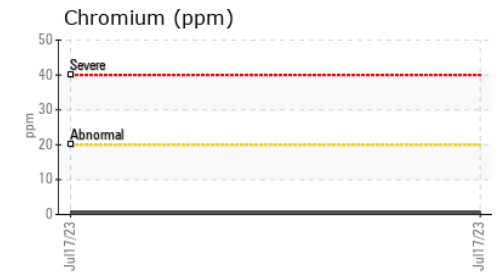
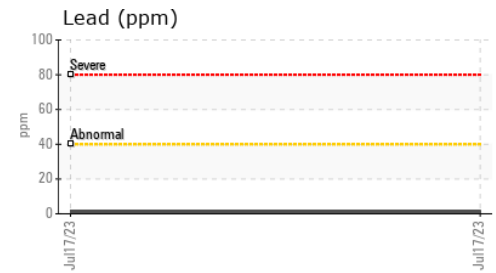
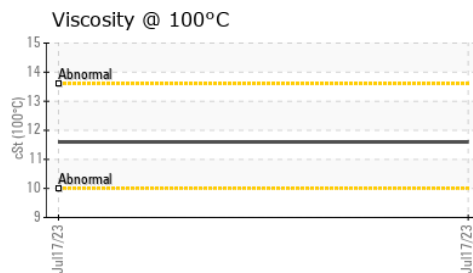
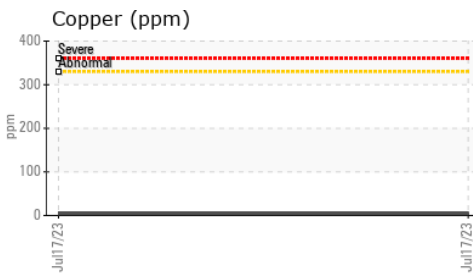
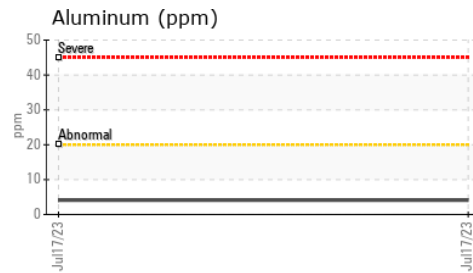
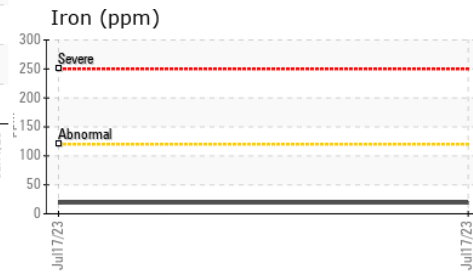
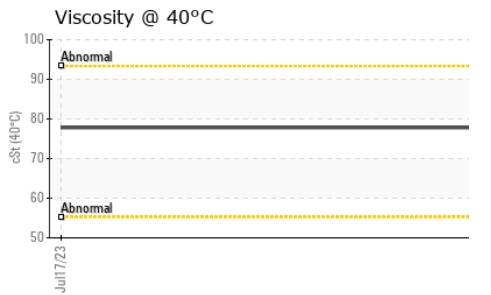
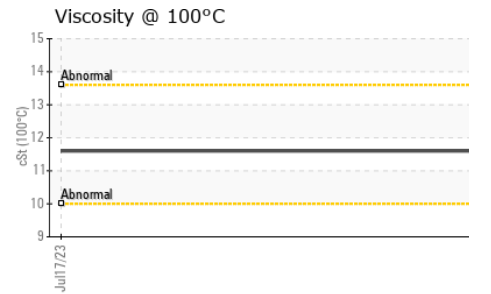
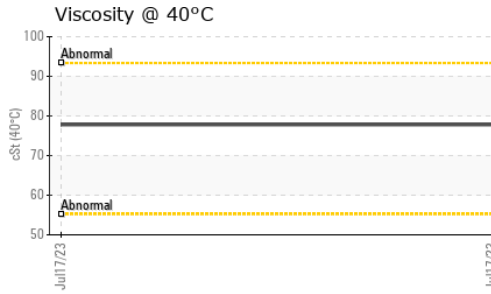


FLUID DEGRADATION	method	limit/base	current	history1	history2	
Oxidation	Abs./1mm	ASTM D7414*	>25	17.9	---	---
Base Number (BN)	mg KOH/g	ASTM D2896*		8.25	---	---

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)		77.8	---	---
Visc @ 100°C	cSt	ASTM D7279(m)		11.6	---	---
Viscosity Index (VI)	Scale	ASTM D2270*		141	---	---

GRAPHS



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : PC0074412
Lab Number : **02574382**
Unique Number : 5619433
Test Package : MOB 2 (Additional Tests: Glycol, KV40, VI)

Received : 08 Aug 2023
Diagnosed : 08 Aug 2023
Diagnostician : Kevin Marson

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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.