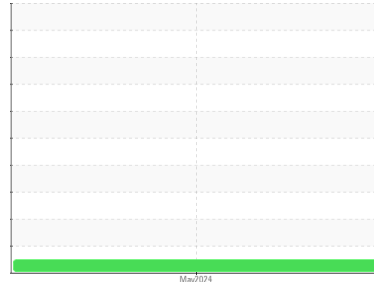


OIL ANALYSIS REPORT

Sample Rating Trend



NORMAL



Machine Id
JOHN DEERE 245G PL-009 (S/N 1 FT245GXLEE600531)
 Component
New (Unused) Oil
 Fluid
PETRO CANADA ENVIRON MV R 46 (--- GAL)

DIAGNOSIS

Recommendation

Il s'agit du relevé de base de cette huile neuve (inutilisée). Le fluide peut servir. (Customer Sample Comment: New oil batch MVR46)

Contamination

La propreté du système est acceptable pour votre objectif de propreté ISO 4406. Il n'y a aucun indice de contamination dans le huile (inutilisée) neuve.

Fluid Condition

Le AN est acceptable pour ce fluide. L'état de l'huile permet d'en l'utilisation.

SAMPLE INFORMATION

method	limit/base	current	history1	history2
Sample Number	Client Info	PC0087975	---	---
Sample Date	Client Info	09 May 2024	---	---
Machine Age	hrs Client Info	0	---	---
Oil Age	hrs Client Info	0	---	---
Oil Changed	Client Info	N/A	---	---
Sample Status		NORMAL	---	---

CONTAMINATION

method	limit/base	current	history1	history2
Water	WC Method	NEG	---	---

WEAR METALS

method	limit/base	current	history1	history2
Iron	ppm ASTM D5185(m)	0	---	---
Chromium	ppm ASTM D5185(m)	0	---	---
Nickel	ppm ASTM D5185(m)	0	---	---
Titanium	ppm ASTM D5185(m)	0	---	---
Silver	ppm ASTM D5185(m)	<1	---	---
Aluminum	ppm ASTM D5185(m)	0	---	---
Lead	ppm ASTM D5185(m)	0	---	---
Copper	ppm ASTM D5185(m)	<1	---	---
Tin	ppm ASTM D5185(m)	0	---	---
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)	<1	0	---	---
Barium	ppm ASTM D5185(m)	<1	0	---	---
Molybdenum	ppm ASTM D5185(m)	<1	0	---	---
Manganese	ppm ASTM D5185(m)	<1	0	---	---
Magnesium	ppm ASTM D5185(m)	<1	<1	---	---
Calcium	ppm ASTM D5185(m)		0	---	---
Phosphorus	ppm ASTM D5185(m)	626	638	---	---
Zinc	ppm ASTM D5185(m)		<1	---	---
Sulfur	ppm ASTM D5185(m)	1236	1370	---	---
Lithium	ppm ASTM D5185(m)		<1	---	---

CONTAMINANTS

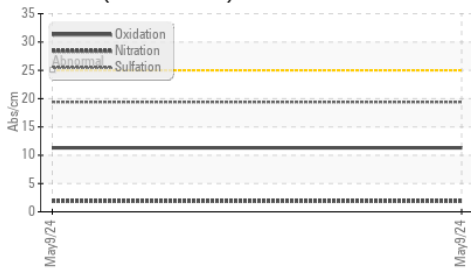
method	limit/base	current	history1	history2	
Silicon	ppm ASTM D5185(m)		0	---	---
Sodium	ppm ASTM D5185(m)		<1	---	---
Potassium	ppm ASTM D5185(m)	>20	0	---	---

INFRA-RED

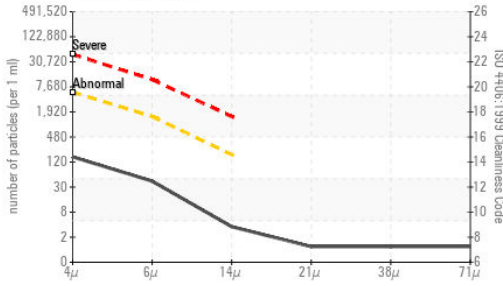
method	limit/base	current	history1	history2	
Soot %	% ASTM D7844*		0	---	---
Nitration	Abs/cm ASTM D7624*		1.9	---	---
Sulfation	Abs/.1mm ASTM D7415*		19.4	---	---

OIL ANALYSIS REPORT

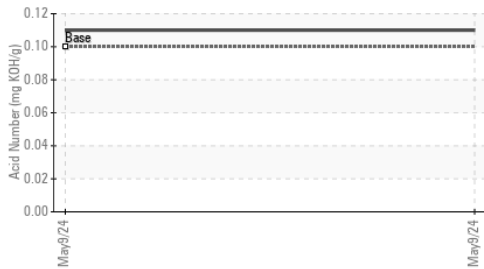
FT-IR (Direct Trend)



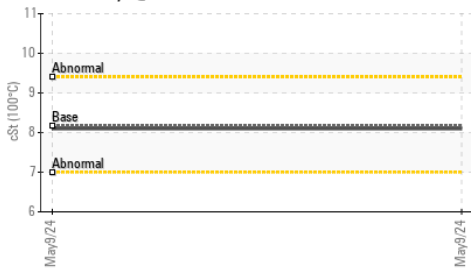
Particle Count



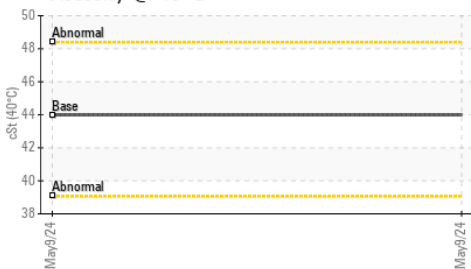
Acid Number



Viscosity @ 100°C



Viscosity @ 40°C

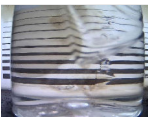



FLUID CLEANLINESS		method	limit/base	current	history1	history2
Particles >4µm	ASTM D7647	>5000	141	---	---	
Particles >6µm	ASTM D7647	>1300	37	---	---	
Particles >14µm	ASTM D7647	>160	3	---	---	
Particles >21µm	ASTM D7647	>40	1	---	---	
Particles >38µm	ASTM D7647	>10	1	---	---	
Particles >71µm	ASTM D7647	>3	1	---	---	
Oil Cleanliness	ISO 4406 (c)	>19/17/14	14/12/9	---	---	

FLUID DEGRADATION		method	limit/base	current	history1	history2
Oxidation	Abs./1mm	ASTM D7414*		11.3	---	---
Acid Number (AN)	mg KOH/g	ASTM D974*	0.1	0.11	---	---

VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	Visual*	NONE	NONE	---	---
Yellow Metal	scalar	Visual*	NONE	NONE	---	---
Precipitate	scalar	Visual*	NONE	NONE	---	---
Silt	scalar	Visual*	NONE	NONE	---	---
Debris	scalar	Visual*	NONE	NONE	---	---
Sand/Dirt	scalar	Visual*	NONE	NONE	---	---
Appearance	scalar	Visual*	NORML	NORML	---	---
Odor	scalar	Visual*	NORML	NORML	---	---
Emulsified Water	scalar	Visual*		NEG	---	---
Free Water	scalar	Visual*		NEG	---	---

FLUID PROPERTIES		method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D7279(m)	43.99	44.0	---	---
Visc @ 100°C	cSt	ASTM D7279(m)	8.17	8.1	---	---
Viscosity Index (VI)	Scale	ASTM D2270*	162	159	---	---

SAMPLE IMAGES		method	limit/base	current	history1	history2
Color					no image	no image
Bottom					no image	no image



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : PC0087975
Lab Number : **02638043**
Unique Number : 5787205
Test Package : IND 2 (Additional Tests: FT-IR, ICP-NewOil, KV100, PrtCount, TAN Man, VI)

Received : 28 May 2024
Tested : 29 May 2024
Diagnosed : 29 May 2024 - Kevin Marson

Sema
 125 Rue de l'Expansion
 Sainte-Flavie, QC
 CA G0J 2L0
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 vincent.gagne@sema.ca
 T: (866)775-7141
 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.