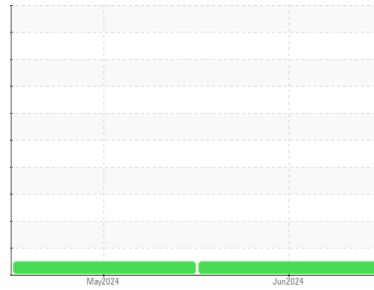




OIL ANALYSIS REPORT

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: 2nd sample after reflush)

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			PC0087977	PC0087975	---
Sample Date	Client Info			06 Jun 2024	09 May 2024	---
Machine Age	hrs	Client Info		1926	0	---
Oil Age	hrs	Client Info		1	0	---
Oil Changed	Client Info			Not Chngd	N/A	---
Sample Status				NORMAL	NORMAL	---

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

WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185(m)		0	0	---
Chromium	ppm	ASTM D5185(m)		0	0	---
Nickel	ppm	ASTM D5185(m)		0	0	---
Titanium	ppm	ASTM D5185(m)		0	0	---
Silver	ppm	ASTM D5185(m)		0	<1	---
Aluminum	ppm	ASTM D5185(m)		0	0	---
Lead	ppm	ASTM D5185(m)		0	0	---
Copper	ppm	ASTM D5185(m)		<1	<1	---
Tin	ppm	ASTM D5185(m)		0	0	---
Antimony	ppm	ASTM D5185(m)		0	0	---
Vanadium	ppm	ASTM D5185(m)		0	0	---
Beryllium	ppm	ASTM D5185(m)		0	0	---
Cadmium	ppm	ASTM D5185(m)		0	0	---

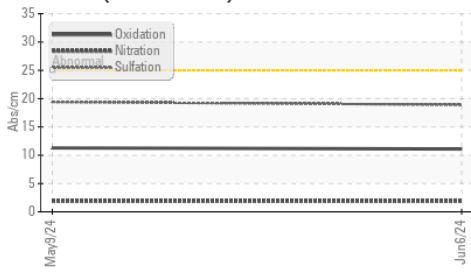
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185(m)	<1	<1	0	---
Barium	ppm	ASTM D5185(m)	<1	0	0	---
Molybdenum	ppm	ASTM D5185(m)	<1	0	0	---
Manganese	ppm	ASTM D5185(m)	<1	0	0	---
Magnesium	ppm	ASTM D5185(m)	<1	<1	<1	---
Calcium	ppm	ASTM D5185(m)		19	0	---
Phosphorus	ppm	ASTM D5185(m)	626	623	638	---
Zinc	ppm	ASTM D5185(m)		14	<1	---
Sulfur	ppm	ASTM D5185(m)	1236	1341	1370	---
Lithium	ppm	ASTM D5185(m)		<1	<1	---

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

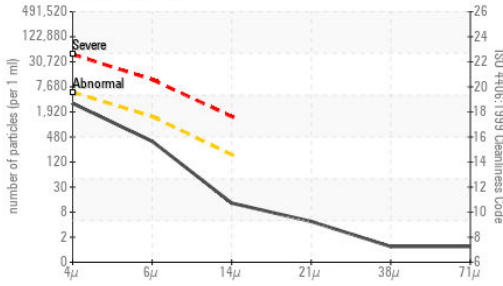
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	ASTM D7844*		0	0	---
Nitration	Abs/cm	ASTM D7624*		1.9	1.9	---
Sulfation	Abs/.1mm	ASTM D7415*		18.9	19.4	---

OIL ANALYSIS REPORT

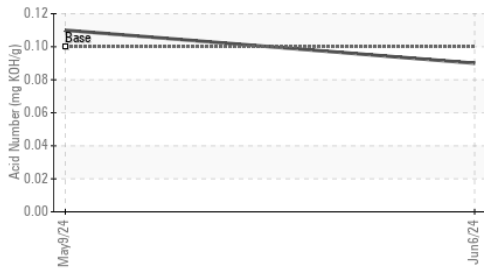
FT-IR (Direct Trend)



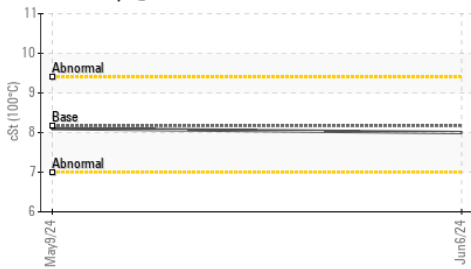
Particle Count



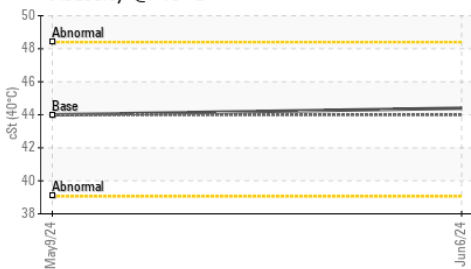
Acid Number



Viscosity @ 100°C



Viscosity @ 40°C



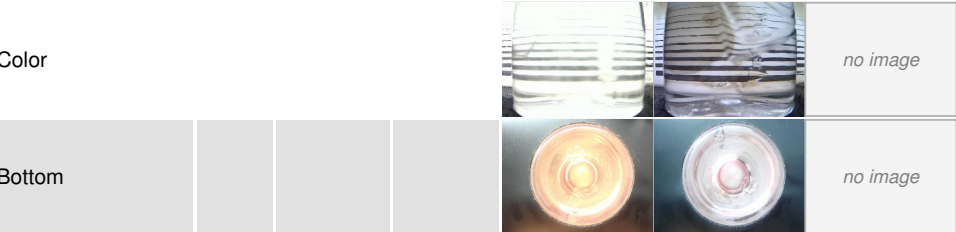
FLUID CLEANLINESS		method	limit/base	current	history1	history2
Particles >4µm	ASTM D7647	>5000	2695	141	---	
Particles >6µm	ASTM D7647	>1300	333	37	---	
Particles >14µm	ASTM D7647	>160	11	3	---	
Particles >21µm	ASTM D7647	>40	4	1	---	
Particles >38µm	ASTM D7647	>10	1	1	---	
Particles >71µm	ASTM D7647	>3	1	1	---	
Oil Cleanliness	ISO 4406 (c)	>19/17/14	19/16/11	14/12/9	---	

FLUID DEGRADATION		method	limit/base	current	history1	history2
Oxidation	Abs./1mm	ASTM D7414*		11.1	11.3	---
Acid Number (AN)	mg KOH/g	ASTM D974*	0.1	0.09	0.11	---

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

FLUID PROPERTIES		method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D7279(m)	43.99	44.4	44.0	---
Visc @ 100°C	cSt	ASTM D7279(m)	8.17	8.0	8.1	---
Viscosity Index (VI)	Scale	ASTM D2270*	162	153	159	---

SAMPLE IMAGES



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : PC0087977
Lab Number : **02642013**
Unique Number : 5799552
Test Package : IND 2 (Additional Tests: FT-IR, ICP-NewOil, KV100, PrtCount, TAN Man, VI)

Received : 14 Jun 2024
Tested : 17 Jun 2024
Diagnosed : 17 Jun 2024 - Kevin Marson

Sema
 125 Rue de l'Expansion
 Sainte-Flavie, QC
 CA G0J 2L0
 Contact: Vincent Gagne
 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.