

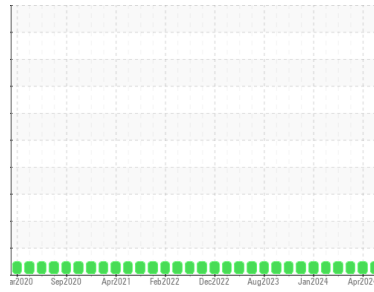


OIL ANALYSIS REPORT



Machine Id
CATERPILLAR D10T 15105049 (S/N CATOD10TCRJG01495)
 Component
Right Final Drive
 Fluid
CHEVRON 50WT (--- GAL)

Sample Rating Trend



NORMAL

DIAGNOSIS

- Recommendation**
 Resample at the next service interval to monitor.
- Wear**
 All component wear rates are normal.
- Contamination**
 There is no indication of any contamination in the oil.
- Fluid Condition**
 The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

SAMPLE INFORMATION

	method	limit/base	current	history1	history2
Sample Number	Client Info		RP0040785	RP0036966	RP0036996
Sample Date	Client Info		22 May 2024	22 Apr 2024	25 Mar 2024
Machine Age	hrs Client Info		28263	27093	26857
Oil Age	hrs Client Info		2878	2608	2372
Oil Changed	Client Info		Changed	Not Changd	Not Changd
Sample Status			NORMAL	NORMAL	NORMAL

WEAR METALS

	method	limit/base	current	history1	history2
Iron	ppm ASTM D5185m	>800	93	87	85
Chromium	ppm ASTM D5185m	>10	3	2	2
Nickel	ppm ASTM D5185m	>5	<1	0	<1
Titanium	ppm ASTM D5185m	>15	<1	0	<1
Silver	ppm ASTM D5185m	>2	1	0	0
Aluminum	ppm ASTM D5185m	>75	5	4	5
Lead	ppm ASTM D5185m	>10	<1	0	0
Copper	ppm ASTM D5185m	>75	2	2	1
Tin	ppm ASTM D5185m	>8	<1	0	<1
Vanadium	ppm ASTM D5185m		<1	0	<1
Cadmium	ppm ASTM D5185m		<1	0	<1

ADDITIVES

	method	limit/base	current	history1	history2
Boron	ppm ASTM D5185m		2	<1	2
Barium	ppm ASTM D5185m		0	0	0
Molybdenum	ppm ASTM D5185m		4	2	4
Manganese	ppm ASTM D5185m		2	2	2
Magnesium	ppm ASTM D5185m		21	21	20
Calcium	ppm ASTM D5185m		3205	3623	3406
Phosphorus	ppm ASTM D5185m		938	963	924
Zinc	ppm ASTM D5185m		1071	1118	1117

CONTAMINANTS

	method	limit/base	current	history1	history2
Silicon	ppm ASTM D5185m	>400	30	31	32
Sodium	ppm ASTM D5185m		2	2	2
Potassium	ppm ASTM D5185m	>20	2	0	2
Water	% ASTM D6304	>0.2	0.057	0.018	0.044
ppm Water	ppm ASTM D6304	>2000	573	188	442

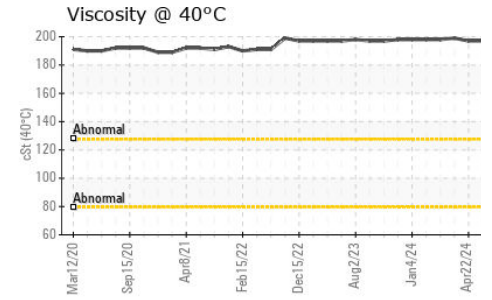
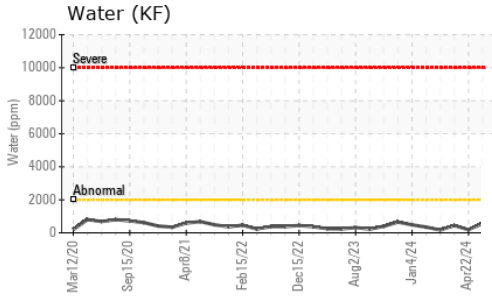
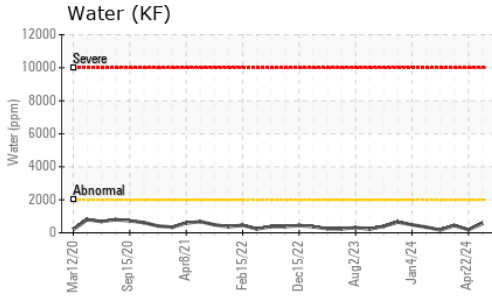
FLUID DEGRADATION

	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g ASTM D8045		1.07	0.97	1.06

VISUAL

	method	limit/base	current	history1	history2
White Metal	scalar *Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar *Visual	NONE	NONE	NONE	NONE
Precipitate	scalar *Visual	NONE	NONE	NONE	NONE
Silt	scalar *Visual	NONE	NONE	NONE	NONE
Debris	scalar *Visual	NONE	NONE	NONE	NONE
Sand/Dirt	scalar *Visual	NONE	NONE	NONE	NONE
Appearance	scalar *Visual	NORML	NORML	NORML	NORML
Odor	scalar *Visual	NORML	NORML	NORML	NORML
Emulsified Water	scalar *Visual	>0.2	NEG	NEG	NEG
Free Water	scalar *Visual		NEG	NEG	NEG

OIL ANALYSIS REPORT



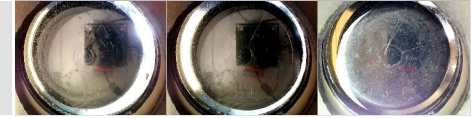
FLUID PROPERTIES		method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445		197	197	199

SAMPLE IMAGES		method	limit/base	current	history1	history2
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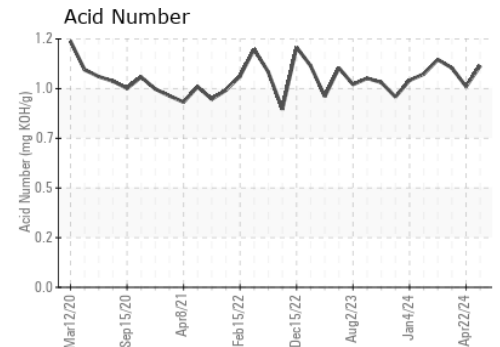
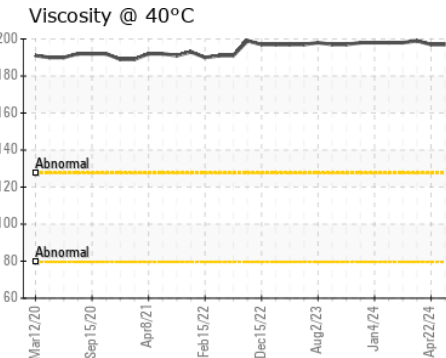
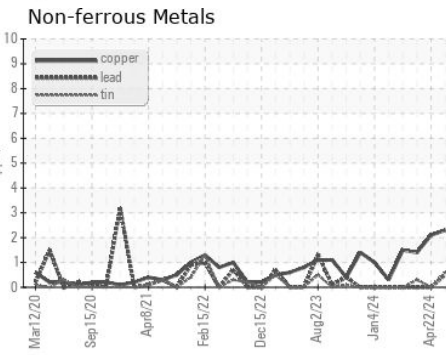
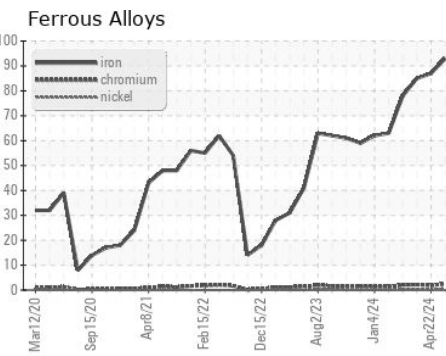
Color



Bottom



GRAPHS



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513

Sample No. : RP0040785

Lab Number : 06194064

Unique Number : 11056187

Test Package : IND 2

Received : 29 May 2024

Tested : 30 May 2024

Diagnosed : 31 May 2024 - Angela Borella

NRG TEXAS LLC

3784 FM 39 SOUTH

JEWETT, TX

US 75846

Contact: JURGEN THOMPSON

JThompson@ecomaterial.com

T: (903)626-9528

F: (903)626-9772

To discuss this sample report, contact Customer Service at 1-800-237-1369.

* - Denotes test methods that are outside of the ISO 17025 scope of accreditation.

Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)