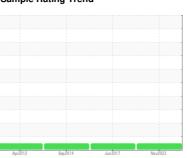


OIL ANALYSIS REPORT

Sample Rating Trend







CATERPILLAR 420 DIT 549 (S/N PHC00254)

Component

Front Transmission (Manual)

TDH FLUID SAE 75W80 (18 QTS

Recommendation

Resample at the next service interval to monitor. The fluid was not specified, however, a fluid match indicates that this fluid is (GENERIC) TDH FLUID SAE 75W80. Please confirm.

Wear

All component wear rates are normal.

Contamination

There is no indication of any contamination in the fluid

Fluid Condition

The AN level is acceptable for this fluid. The condition of the fluid is suitable for further service.

,						
0 (18 QTS)		Apr201	2 Sep2014	Jun2017 N	ov2023	
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		RW0004537	RWM2296200	RWM2223886
Sample Date		Client Info		05 Nov 2023	28 Jun 2017	25 Sep 2014
Machine Age	hrs	Client Info		5909	4046	2600
Oil Age	hrs	Client Info		957	1000	2000
Oil Changed		Client Info		Changed	Changed	Changed
Sample Status				NORMAL	NORMAL	NORMAL
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>200	6	5	16
Chromium	ppm	ASTM D5185m	>5	<1	<1	1
Nickel	ppm	ASTM D5185m	>5	<1	0	<1
Titanium	ppm	ASTM D5185m		<1	0	<1
Silver	ppm	ASTM D5185m	>7	<1	0	<1
Aluminum	ppm	ASTM D5185m	>25	1	2	4
Lead	ppm	ASTM D5185m	>45	<1	<1	12
Copper	ppm	ASTM D5185m	>225	13	4	26
Tin	ppm	ASTM D5185m	>10	0	0	0
Antimony	ppm	ASTM D5185m			0	7
Vanadium	ppm	ASTM D5185m		0	0	<1
Cadmium	ppm	ASTM D5185m		<1	0	0
ADDITIVES	ррш	method	limit/base		history1	
Boron	202	ASTM D5185m	10	current 9	10	history2 54
Barium	ppm	ASTM D5185m	10	2	<1	0
	ppm		10	6	2	12
Monganasa	ppm	ASTM D5185m	10			12
Manganese	ppm	ASTM D5185m	100	0	<1	
Magnesium	ppm	ASTM D5185m	100	52	22	23
Calcium	ppm		3500	2625	2993	3167
Phosphorus	ppm	ASTM D5185m	1150	981	914	984
Zinc	ppm	ASTM D5185m	1150	1108	1119	1341
Sulfur	ppm	ASTM D5185m	5000	4358	5870	1544
CONTAMINANTS	5	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m		3	7	5
Sodium	ppm	ASTM D5185m		0	3	2
Potassium	ppm	ASTM D5185m	>20	3	0	0
FLUID DEGRADA	NOITA	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045	2.25	1.61	1.604	1.21
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	>0.1	NEG	NEG	NEG
E 14/ :		+1.7		MEC		NIO A (N+155) A (A 4) I

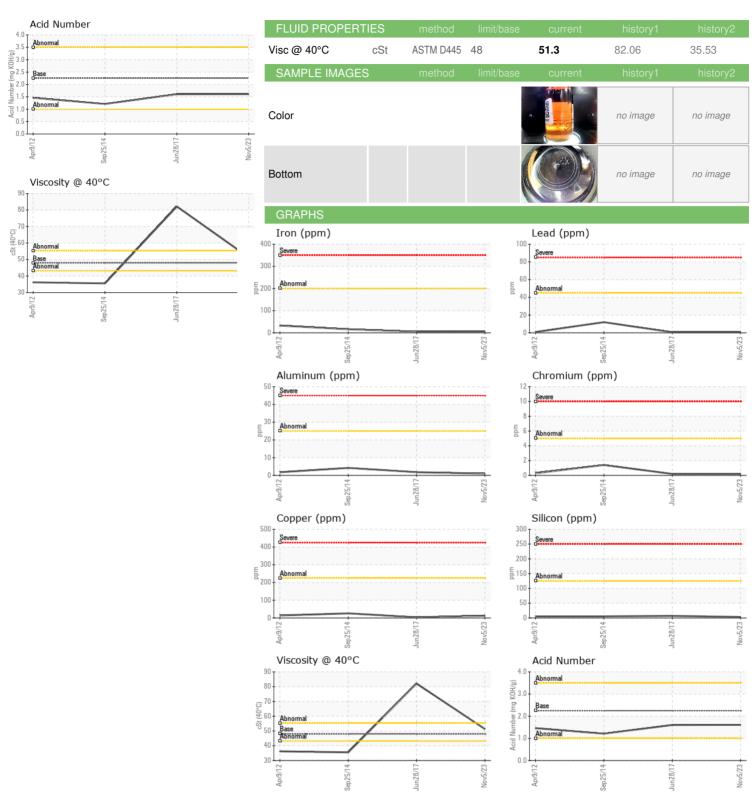
CatiNE FRIC KING NEWMUS

NEG

scalar *Visual



OIL ANALYSIS REPORT







Laboratory Sample No. Lab Number **Unique Number**

: RW0004537 : 05999187 : 10727547 Test Package : MOB 2

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received : 06 Nov 2023 : 07 Nov 2023 Diagnosed

: Wes Davis Diagnostician

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) **NEWKIRK ELECTRIC**

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Contact: ERIC KING

ewking@newkirk-electric.com T: (231)206-6131

F: (231)724-4090 Contact/Location: ERIC KING - NEWMUS