

OIL ANALYSIS REPORT

Sample Rating Trend





Area Action Newark CATERPILLAR 5598

Component Hydraulic System Fluid {not provided} (--- GAL)

DIAGNOSIS

Recommendation

No corrective action is recommended at this time. Resample at the next service interval to monitor. Please specify the brand, type, and viscosity of the oil on your next sample.

📥 Wear

The iron level is abnormal. All other component wear rates are normal.

Contamination

There is no indication of any contamination in the oil.

Fluid Condition

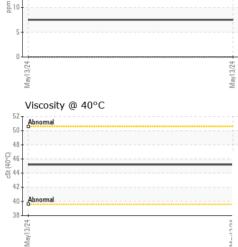
The condition of the oil is acceptable for the time in service.

SAMPLE INFORM	IATION	method	limit/base	current	history1	history2
Sample Number		Client Info		WC0912333		
Sample Date		Client Info		13 May 2024		
Machine Age	hrs	Client Info		0		
Oil Age	hrs	Client Info		0		
Oil Changed		Client Info		N/A		
Sample Status				ABNORMAL		
CONTAMINATION	١	method	limit/base	current	history1	history2
Water		WC Method	>0.1	NEG		
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>20	8		
Chromium	ppm	ASTM D5185m	>10	<u> </u>		
Nickel	ppm	ASTM D5185m	>10	0		
Titanium	ppm	ASTM D5185m		0		
Silver	ppm	ASTM D5185m		0		
Aluminum	ppm	ASTM D5185m	>10	0		
Lead	ppm	ASTM D5185m	>10	<1		
Copper	ppm	ASTM D5185m	>75	6		
Tin	ppm	ASTM D5185m	>10	0		
Vanadium	ppm	ASTM D5185m		0		
Cadmium	ppm	ASTM D5185m		0		
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		1		
Barium	ppm	ASTM D5185m		0		
Molybdenum	ppm	ASTM D5185m		<1		
Manganese	ppm	ASTM D5185m		0		
Magnesium	ppm	ASTM D5185m		6		
Calcium	ppm	ASTM D5185m		40		
		ASTM D5185m		40		
Phosphorus	ppm	ASTM D5185m		420		
Zinc	ppm			-		
Sulfur	ppm	ASTM D5185m		5200		
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m		2		
Sodium	ppm	ASTM D5185m		2		
Potassium	ppm	ASTM D5185m	>20	0		
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		
Sanu/Din						
Appearance	scalar	*Visual	NORML	NORML		
	scalar scalar	*Visual *Visual	NORML NORML	NORML		
Appearance						



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FLUID PROPERTIES limit/base history1 history2 method current Visc @ 40°C 45.2 cSt ASTM D445 SAMPLE IMAGES limit/base method current history1 history2 Color no image no image no image Bottom no image no image no image GRAPHS Iron (ppm) Lead (ppm) 31 25 20 ۲<u>ط</u> 20 표 15 10 Aav13/74 Aluminum (ppm) Chromium (ppm) 30 25 25 20 20 ۲ ۵,15 la 15 Ab 10 10 Mav13/24 Silicon (ppm) Copper (ppm) 250 6 50 200 40 ۲<u>ط</u> 30 100 20 50 10 3/74 3/24 Aav13/74 Viscosity @ 40°C Additives 52 600 Ab 50 500 48 400 ة<u>300</u> 200 42 Abnorma 100 40 38 0 May13/24 Mav13/24 /lav1 : WearCheck USA - 501 Madison Ave., Cary, NC 27513 **INTERSTATE WASTE-NEWARK** Sample No. : WC0912333 Received : 14 May 2024 110 EVERGREEN AVE, BAY 3 Lab Number : 06179265 Tested : 15 May 2024 NEWARK, NJ Unique Number : 11030591 Diagnosed : 16 May 2024 - Don Baldridge US 07114 Test Package : MOB 1 Contact: Robert Witynski To discuss this sample report, contact Customer Service at 1-800-237-1369. RWitynski@interstatewaste.com * - Denotes test methods that are outside of the ISO 17025 scope of accreditation.

Certificate 12367

Laboratory

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

Contact/Location: Robert Witynski - INT110NEW

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