

OIL ANALYSIS REPORT

Sample Rating Trend





CATERPILLAR 980H 2230704

Component Rear Left Planetary Fluid

{not provided} (--- GAL)

DIAGNOSIS

Recommendation

Resample at the next service interval to monitor. Please specify the brand, type, and viscosity of the oil on your next sample.

Wear

All component wear rates are normal.

Contamination

There is no indication of any contamination in the oil.

Fluid Condition

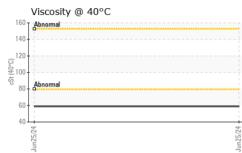
The condition of the oil is acceptable for the time in service.

SAMPLE INFORM	IATION	method	limit/base	current	history1	history2
Sample Number		Client Info		WC0914627		
Sample Date		Client Info		25 Jun 2024		
Machine Age	hrs	Client Info		27735		
Oil Age	hrs	Client Info		0		
Oil Changed		Client Info		Not Changd		
Sample Status				NORMAL		
CONTAMINATION	J	method	limit/base	current	history1	history2
Water		WC Method	>0.2	NEG		
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185(m)	>500	15		
Chromium	ppm	ASTM D5185(m)	>10	0		
Nickel	ppm	ASTM D5185(m)	>10	<1		
Titanium	ppm	ASTM D5185(m)		0		
Silver	ppm	ASTM D5185(m)		0		
Aluminum	ppm	ASTM D5185(m)	>25	2		
Lead	ppm	ASTM D5185(m)	>25	0		
Copper	ppm	ASTM D5185(m)	>75	3		
Tin	ppm	ASTM D5185(m)	>10	0		
Antimony	ppm	ASTM D5185(m)	>5	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)		86		
Barium	ppm	ASTM D5185(m)		0		
Molybdenum	ppm	ASTM D5185(m)		6		
Manganese	ppm	ASTM D5185(m)		<1		
Magnesium	ppm	ASTM D5185(m)		45		
Calcium	ppm	ASTM D5185(m)		3344		
Phosphorus	ppm	ASTM D5185(m)		1068		
Zinc	ppm	ASTM D5185(m)		1318		
Sulfur	ppm	ASTM D5185(m)		6308		
Lithium	ppm	ASTM D5185(m)		<1		
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185(m)	>75	17		
Sodium	ppm	ASTM D5185(m)		3		
Potassium	ppm	ASTM D5185(m)	>20	1		



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VICUAL



	VISUAL		method	limit/base	current	history1	history2
1	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	VLITE		
5/24 -	Appearance	scalar	Visual*	NORML	NORML		
Jun25/24	Odor	scalar	Visual*	NORML	NORML		
	Emulsified Water	scalar	Visual*	>0.2	NEG		
	Free Water	scalar	Visual*		NEG		
	FLUID PROPER	TIES	method	limit/base	current	history1	history2
	Visc @ 40°C	cSt	ASTM D7279(m		58.9		
				, 		biotom d	la i a ta mu O
	SAMPLE IMAGE	-5	method	limit/base	current	history1	history2
	Color					no image	no image
	Bottom					no image	no image
	GRAPHS						
	Iron (ppm)				Lead (ppm)		
	2000 Severe				Severe		
	툍 1000 - January			e ¹⁰			
	Abnormal				Abnormal		
	5/24			5/24 -	Jun25/24		
	Jun25/24			Jun25/24	Jun2		
	Aluminum (ppm))			Chromium (p	pm)	
	100 Severe				30 Severe		
	E 50			u d	20 - Abnormal		
	Abnormal						
	5/24			5/24 -	5/24		
	Jun25/24			Jun25/24	Jun25/24		
	Copper (ppm)				Silicon (ppm)		
	200 Severe			30	⁰⁰ T.		
	톱 100 - Abnormal			E ²⁰			
				¹ 10	0 - Abnormal		
	5/24			5/24	5/24		
	Jun25/24			Jun25/24	Jun25/24		
	Viscosity @ 40°C			-	Additives		
	200 T			400			
	(30 150 - Abnormal 정 100 - Abnormal			E 300	00 - calcium phosphoru	s	
	-			200	<u></u>		
	50 47 72			+z/ 100	***		
	Jun 25/24			Jun25/24	Jun25/2 [,]		
oratory nple No. Number	: WearCheck - C8-117 : WC0914627 : 02644646 : 5802185	75 Appleby Recei Teste Diagn	ved :2 d :2	ington, ON L7 28 Jun 2024 28 Jun 2024 28 Jun 2024 - V		2125 - 20TH /	ONTRACTIN AVENUE EAS IN SOUND, O CA N4K 5P
Package				31.			ct: Daniel Flee @millergroup.c

To discuss this sample 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.

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CALA

ISO 17025:2017 Accredited Laboratory

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