

OIL ANALYSIS REPORT

GM Seattle Off Raod Shop [GM Seattle Off Raod Shop] 26-224

Sample Rating Trend NORMAL



Component Hydraulic System CAT HYDO (--- GAL)

Recommendation

Resample at the next service interval to monitor. (Customer Sample Comment: Top Up Amount: 3 gallons)

Wear

All component wear rates are normal.

Contamination

There is no indication of any contamination in the oil. The amount and size of particulates present in the system are acceptable.

Fluid Condition

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

SAMPLE INFORM	ATION	method	limit/base	current	history1	history2
Sample Number		Client Info		PE0002295	PE0000388	PE12291132
Sample Date		Client Info		30 Nov 2023	20 Oct 2022	06 Oct 2021
Machine Age	hrs	Client Info		4665	3584	2223
Oil Age	hrs	Client Info		4665	3584	2223
Oil Changed		Client Info		Oil Added	Oil Added	Not Changd
Sample Status				NORMAL	ABNORMAL	NORMAL
CONTAMINATION	N	method	limit/base	current	history1	history2
Water		WC Method	>0.1	NEG	NEG	NEG
WEAR METALS		method	limit/base	current	history1	history2
PQ		ASTM D8184		17	11	
Iron	ppm	ASTM D5185m	>20	14	17	12
Chromium	ppm	ASTM D5185m	>10	1	<1	1
Nickel	ppm	ASTM D5185m	>10	0	0	0
Titanium	ppm	ASTM D5185m		<1	<1	0
Silver	ppm	ASTM D5185m		0	<1	<1
Aluminum	ppm	ASTM D5185m	>10	7	7	4
Lead	ppm	ASTM D5185m	>10	2	4	4
Copper	ppm	ASTM D5185m	>75	17	20	17
Tin	ppm	ASTM D5185m	>10	<1	<1	1
Antimony	ppm	ASTM D5185m				0
Vanadium	ppm	ASTM D5185m		0	0	0
Cadmium	ppm	ASTM D5185m		0	0	
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		0	<1	0
Barium	ppm	ASTM D5185m		0	0	0
Molybdenum	ppm	ASTM D5185m		0	<1	1
Manganese	ppm	ASTM D5185m		<1	<1	
Magnesium	ppm	ASTM D5185m		3	5	5
Calcium	ppm	ASTM D5185m		149	185	186
Phosphorus	ppm	ASTM D5185m	1100	556	656	649
Zinc	ppm	ASTM D5185m	1210	703	870	839
Sulfur	ppm	ASTM D5185m		1423	2192	
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>20	15	13	8
Sodium	ppm	ASTM D5185m		2	0	0
Potassium	ppm	ASTM D5185m	>20	0	2	2
FLUID CLEANLIN	IESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647	>5000	1334	<u> </u>	
Particles >6µm		ASTM D7647	>1300	204	1 3211	
Particles >14µm		ASTM D7647	>160	18	983	
Particles >21µm		ASTM D7647	>40	4	A 353	
Particles >38µm		ASTM D7647	>10	0	7	
		10110101041	210	0	1	
Particles >71µm		ASTM D7647		0	0	



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Submitted By: Stoneway Concrete - Seattle - Jesse Patterson