

OIL ANALYSIS REPORT

Sample Rating Trend





GM Seattle Off Raod Shop [GM Seattle Off Raod Shop] 28-427

Hydraulic System
Fluid
CAT HYDO (--- GAL)

DIAGNOSIS

Recommendation

Resample at the next service interval to monitor. (
Customer Sample Comment:
Too Un Amount 5 gallege)

Top Up Amount: 5 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.

		Jan 2018 J	un2018 Oct2018 Apr201	9 Apr2020 Mar2021 Sep2021	Nov2023	
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		PE0002294	PE12291146	PE12291368
Sample Date		Client Info		20 Nov 2023	07 Sep 2021	29 Mar 2021
Machine Age	hrs	Client Info		15923	11933	10882
Oil Age	hrs	Client Info		2407	3265	2214
Oil Changed		Client Info		Oil Added	Not Changd	Not Changd
Sample Status				NORMAL	NORMAL	NORMAL
CONTAMINATIO	V	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		10		
Iron	ppm	ASTM D5185m	>20	4	6	7
Chromium	ppm	ASTM D5185m	>10	0	0	0
Nickel	ppm	ASTM D5185m	>10	0	0	0
Titanium	ppm	ASTM D5185m		0	0	0
Silver	ppm	ASTM D5185m		0	<1	<1
Aluminum	ppm	ASTM D5185m	>10	1	0	2
Lead	ppm	ASTM D5185m	>10	0	0	1
Copper	ppm	ASTM D5185m	>75	4	4	7
Tin	ppm	ASTM D5185m	>10	0	0	0
Antimony	ppm	ASTM D5185m			0	2
Vanadium	ppm	ASTM D5185m		0	0	0
Cadmium	ppm	ASTM D5185m		0		
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		0	0	0
Barium	ppm	ASTM D5185m		0	0	0
Molybdenum	ppm	ASTM D5185m		0	0	1
Manganese	ppm	ASTM D5185m		<1		
Magnesium	ppm	ASTM D5185m		1	0	2
Calcium	ppm	ASTM D5185m		81	204	108
Phosphorus	ppm	ASTM D5185m	1100	377	439	458
Zinc	ppm	ASTM D5185m	1210	444	564	583
Sulfur	ppm	ASTM D5185m		931		
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>20	5	2	5
Sodium	ppm	ASTM D5185m		<1	0	3
Potassium	ppm	ASTM D5185m	>20	0	0	1
FLUID CLEANLIN	IESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647	>5000	1570		
Particles >6µm		ASTM D7647	>1300	383		
		ASTM D7647	>160	47		
Particles >14µm		AO I WI DI OTI				
Particles >14μm Particles >21μm		ASTM D7647	>40	16		
Particles >21μm Particles >38μm		ASTM D7647 ASTM D7647				
Particles >21μm		ASTM D7647	>40	16		



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