

WEAR NORMAL CONTAMINATION NORMAL FLUID CONDITION NORMAL

GM Seattle Off Raod Shop [GM Seattle Off Raod Shop] 24-588

Hydraulic System

{not provided} (--- GAL)

RECOMMENDATION

Resample at the next service interval to monitor.

WEAR

All component wear rates are normal.

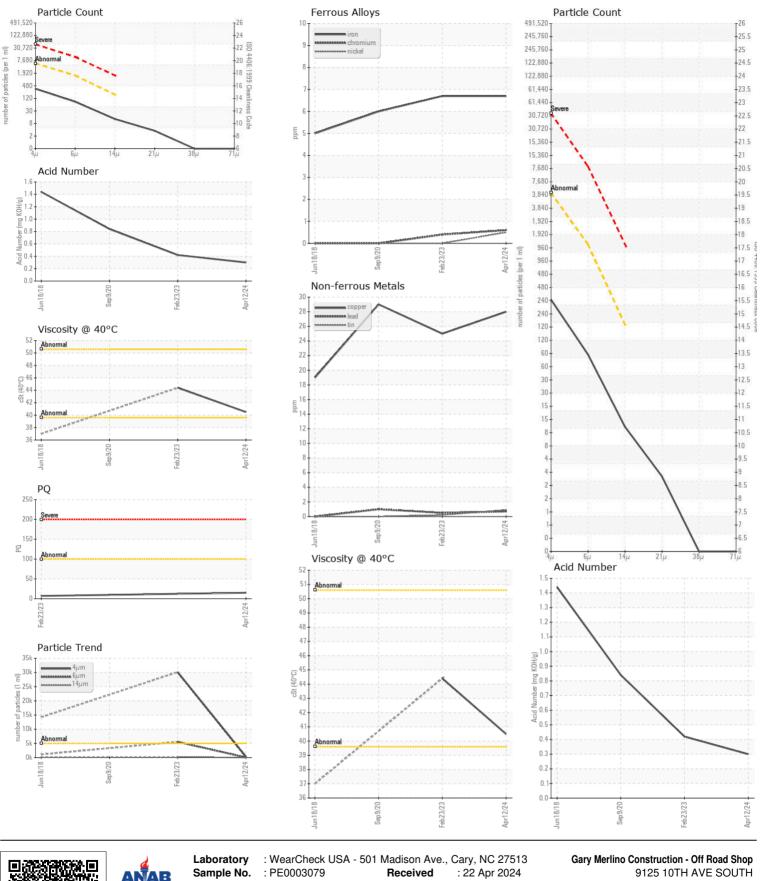
CONTAMINATION

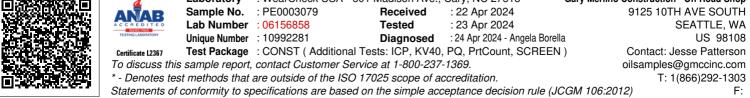
There is no indication of any contamination in the oil. The amount and size of particulates present in the system are acceptable.

FLUID CONDITION

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

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Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		PE0003079	PE0001781	PE12291490
Sample Date		Client Info		12 Apr 2024	23 Feb 2023	09 Sep 2020
Machine Age	hrs	Client Info		3527	3070	1993
Oil Age	hrs	Client Info		3527	3070	1993
Filter Age	hrs	Client Info		0	0	
Oil Changed		Client Info		Not Changd	Oil Added	Not Changd
Filter Changed		Client Info		Not Changd	Changed	
Sample Status				NORMAL	ABNORMAL	NORMAL
PQ		ASTM D8184		15	7	
Iron	ppm	ASTM D5185m	>20	7	7	6
Chromium	ppm	ASTM D5185m	>10	<1	<1	0
Nickel	ppm	ASTM D5185m	>10	<1	0	0
Titanium	ppm	ASTM D5185m	210	<1	0	0
Silver	ppm	ASTM D5185m		<1	0	<1
Aluminum		ASTM D5185m	>10	3	2	1
Lead	ppm ppm	ASTM D5185m	>10	ہ <1	<1	1
Copper		ASTM D5185m	>75	28	25	29
	ppm	ASTM D5185m		-		0
Tin	ppm	ASTM D5185m	>10	<1	<1 0	
Vanadium White Metal	ppm	*Visual		<1	NONE	0
	scalar		NONE	NONE		
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	
Silicon	ppm	ASTM D5185m	>20	6	5	6
Potassium	ppm	ASTM D5185m	>20	2	2	2
Water		WC Method	>0.1	NEG	NEG	NEG
Particles >4µm		ASTM D7647	>5000	307	A 30113	
Particles >6µm		ASTM D7647	>1300	73	▲ 5550	
Particles >14µm		ASTM D7647	>160	11	<u> </u>	
Particles >21µm		ASTM D7647	>40	3	<u> </u>	
Particles >38µm		ASTM D7647	>10	0	0	
Particles >71µm		ASTM D7647	>3	0	0	
Oil Cleanliness		ISO 4406 (c)	>19/17/14	15/13/11	A 22/20/15	19/16/12
Silt	scalar	*Visual	NONE	NONE	NONE	
Debris	scalar	*Visual	NONE	NONE	NONE	
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	
Appearance	scalar	*Visual	NORML	NORML	NORML	
Odor	scalar	*Visual	NORML	NORML	NORML	
Emulsified Water	scalar	*Visual	>0.1	NEG	NEG	
Rodium				0	0	 Б
Sodium	ppm	ASTM D5185m		0	2	5
Boron	ppm	ASTM D5185m		<1	2	2
Barium	ppm	ASTM D5185m		0	1	1
Molybdenum	ppm	ASTM D5185m		1		2
Manganese	ppm	ASTM D5185m		<1 -	<1	
Magnesium	ppm	ASTM D5185m		7	7	9
Calcium	ppm	ASTM D5185m		1285	1437	2109
Phosphorus	ppm	ASTM D5185m		500	489	549
Zinc	ppm	ASTM D5185m		603	626	689
Sulfur	ppm	ASTM D5185m		3625	3783	
Acid Number (AN)	mg KOH/g	ASTM D8045		0.30	0.42	0.84
Visc @ 40°C	cSt	ASTM D445		40.5	44.4	





Submitted By: Dump Truck Shop - Zack Page 2 of 2