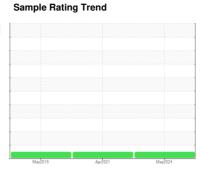


OIL ANALYSIS REPORT

GM Seattle Off Raod Shop [GM Seattle Off Raod Shop] 24-747

Hydraulic System

CHEVRON HYDRAULIC OIL AW ISO 46 (---





Recommendation

We recommend an early resample to monitor this condition.

Wear

Iron ppm levels are marginal. All other component wear rates are normal.

Contamination

The water content is negligible. There is no indication of any contamination in the oil.

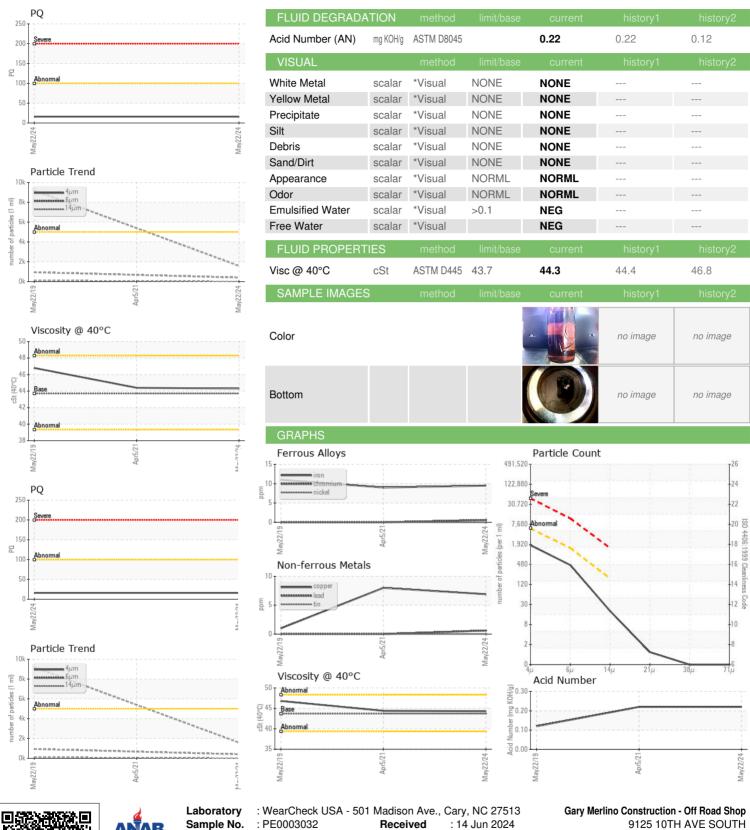
Fluid Condition

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

· GAL)		Ma	y2019	Apr2021 May20	124	
SAMPLE INFOR	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		PE0003032	PE12291343	PE12291946
Sample Date		Client Info		22 May 2024	05 Apr 2021	22 May 2019
Machine Age	hrs	Client Info		3919	2116	1276
Oil Age	hrs	Client Info		3919	0	1276
Oil Changed		Client Info		Changed	Not Changd	Not Changd
Sample Status				NORMAL	NORMAL	NORMAL
CONTAMINATIO	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		16		
Iron	ppm	ASTM D5185m	>20	10	9	11
Chromium	ppm	ASTM D5185m	>10	<1	0	0
Nickel	ppm	ASTM D5185m	>10	0	0	0
Titanium	ppm	ASTM D5185m		<1	0	0
Silver	ppm	ASTM D5185m		0	<1	1
Aluminum	ppm	ASTM D5185m	>10	2	1	0
Lead	ppm	ASTM D5185m	>10	<1	0	0
Copper	ppm	ASTM D5185m	>75	7	8	1
Tin	ppm	ASTM D5185m	>10	0	0	0
Antimony	ppm	ASTM D5185m			0	
Vanadium	ppm	ASTM D5185m		0	0	0
Cadmium	ppm	ASTM D5185m		0		
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		<1	0	
Barium	ppm	ASTM D5185m		1	0	0
Molybdenum	ppm	ASTM D5185m		0	0	0
Manganese	ppm	ASTM D5185m		0		
Magnesium	ppm	ASTM D5185m		4	2	0
Calcium	ppm	ASTM D5185m		151	162	13
Phosphorus	ppm	ASTM D5185m		416	404	355
Zinc	ppm	ASTM D5185m		227	153	60
Sulfur	ppm	ASTM D5185m		1062		
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>20	3	3	2
Sodium	ppm	ASTM D5185m		0	0	1
Potassium	ppm	ASTM D5185m		<1	0	4
FLUID CLEANLIN	VESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647	>5000	1584		9199
Particles >6µm		ASTM D7647	>1300	404		941
Particles >14µm		ASTM D7647	>160	17		115
Particles >21µm		ASTM D7647	>40	1		36
Particles >38µm		ASTM D7647	>10	0		4
Particles >71µm		ASTM D7647	>3	0		00/17/14
Oil Cleanliness		ISO 4406 (c)	>19/17/14	18/16/11	22/17/10	20/17/14



OIL ANALYSIS REPORT







Certificate 12367

Sample No.

: PE0003032 Lab Number : 06210683 Unique Number: 11083547

Received **Tested** Diagnosed

: 14 Jun 2024 : 18 Jun 2024

: 18 Jun 2024 - Angela Borella Test Package : CONST (Additional Tests: ICP, KV40, PQ, PrtCount, SCREEN)

US 98108 Contact: Jesse Patterson oilsamples@gmccinc.com T: 1(866)292-1303

* - Denotes test methods that are outside of the ISO 17025 scope of accreditation. Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)

To discuss this sample report, contact Customer Service at 1-800-237-1369.

Report Id: GARSEA [WUSCAR] 06210683 (Generated: 06/22/2024 04:32:24) Rev: 1

Submitted By: Stoneway Concrete - Seattle - Jesse Patterson

SEATTLE, WA