

OIL ANALYSIS REPORT

300-01

Component

Hydraulic System

CHEVRON RANDO HD 46 (40 GAL)

Sample Rating Trend ISO

Recommendation

No corrective action is recommended at this time. Resample at the next service interval to monitor.

All component wear rates are normal.

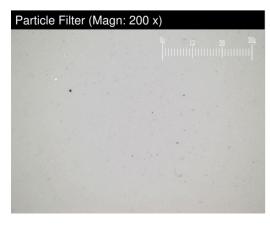
Contamination

There is a moderate amount of silt (particulates < 6 microns in size) present in the oil. The system cleanliness is above the acceptable limit for the target ISO 4406 cleanliness code.

Fluid Condition

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

SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		PH0001073		
Sample Date		Client Info		26 Sep 2023		
Machine Age	hrs	Client Info		0		
Oil Age	hrs	Client Info		0		
Oil Changed		Client Info		Not Changd		
Sample Status				ATTENTION		
CONTAMINATIO	N	method	limit/base	current	history1	history2
Water		WC Method	>0.05	NEG		
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>20	0		
Chromium	ppm	ASTM D5185m	>20	0		
Nickel	ppm	ASTM D5185m	>20	0		
Titanium	ppm	ASTM D5185m		0		
Silver	ppm	ASTM D5185m		0		
Aluminum	ppm	ASTM D5185m	>20	0		
Lead	ppm	ASTM D5185m	>20	0		
Copper	ppm	ASTM D5185m	>20	1		
Tin	ppm	ASTM D5185m	>20	0		
Vanadium	ppm	ASTM D5185m		0		
Cadmium	ppm	ASTM D5185m		0		
ADDITIVES	• •	method	limit/base	current	history1	history2
			IIIIII/Dasc		,	
Boron	ppm	ASTM D5185m		0		
Barium	ppm	ASTM D5185m		0		
Molybdenum	ppm	ASTM D5185m		<1		
Manganese	ppm	ASTM D5185m		0		
Magnesium	ppm	ASTM D5185m		<1		
Calcium	ppm	ASTM D5185m		55		
Phosphorus	ppm	ASTM D5185m		305		
Zinc	ppm	ASTM D5185m		382		
Sulfur	ppm	ASTM D5185m		659		
CONTAMINANTS	6	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>15	0		
Sodium	ppm	ASTM D5185m		<1		
Potassium	ppm	ASTM D5185m	>20	0		
FLUID CLEANLIN	NESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647	>10000	11871		
Particles >6µm		ASTM D7647	>2500	1934		
Particles >14µm		ASTM D7647	>320	141		
Particles >21µm		ASTM D7647	>80	42		
Particles >38µm		ASTM D7647	>20	3		
Particles >71µm		ASTM D7647	>4	0		
Oil Cleanliness		ISO 4406 (c)	>20/18/15	21/18/14		
FLUID DEGRADA	NOITA	method	limit/base	current	history1	history2
Acid Number (AN)	ma 1/011/a	ACTM DODAE		0.26		



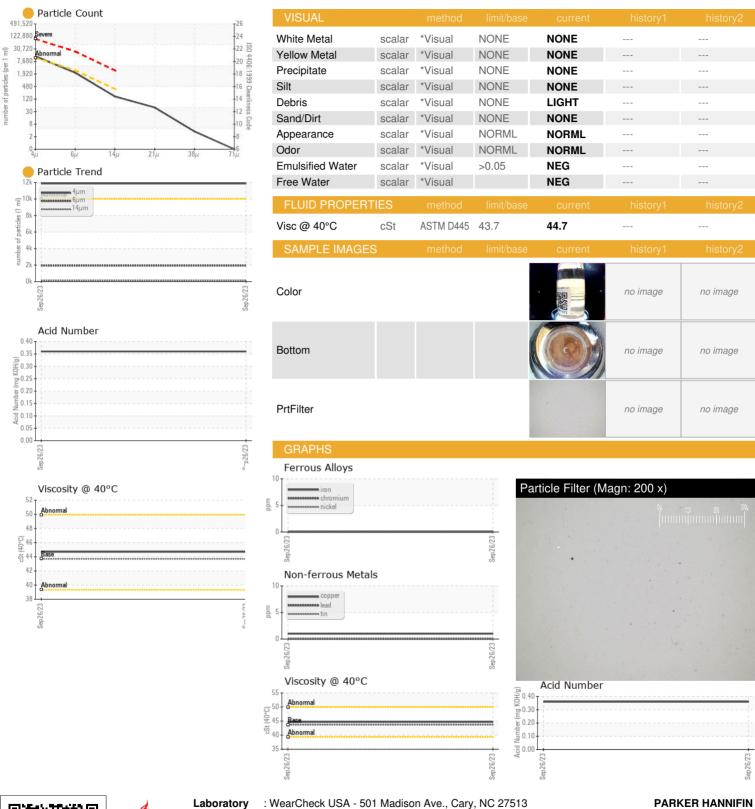
Potassium	ppm	ASTM D5185m	>20	0		
FLUID CLEANLINESS		method	limit/base	current	history1	history2
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Particles >71µm		ASTM D7647	>4	0		
Oil Cleanliness		ISO 4406 (c)	>20/18/15	2 1/18/14		
FLUID DEGRADA	NOITA	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045		0.36		

Report Id: PARMANWI [WUSCAR] 05999031 (Generated: 03/07/2024 16:41:54) Rev: 1

Contact/Location: RAE MONKA - PARMANWI



OIL ANALYSIS REPORT







Laboratory Sample No.

: PH0001073

Lab Number : 05999031

Unique Number : 10727391 Test Package: PLANT (Additional Tests: PrtFilter)

Certificate L2367 To discuss this sample report, contact Customer Service at 1-800-237-1369.

* - 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)

Received

Diagnosed

Tested

Contact/Location: RAE MONKA - PARMANWI

: 06 Nov 2023

: 08 Nov 2023

: 08 Nov 2023 - Jonathan Hester

1440 N 24TH ST

MANITOWOC, WI

Contact: RAE MONKA

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