

OIL ANALYSIS REPORT

Sample Rating Trend

NORMAL

Machine Id 050-07 WC-24 (S/N 7142-0254) Component

Hydraulic System

CHEVRON RANDO HD 46 (53 GAL)

DIAGNOSIS

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.

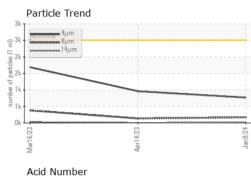
		Ma	2023	Apr2023 Jan20	124	
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		PH0002256	PH0000585	PH0000452
Sample Date		Client Info		08 Jan 2024	14 Apr 2023	16 Mar 2023
Machine Age	hrs	Client Info		0	13305	12851
Oil Age	hrs	Client Info		17688	13305	12851
Oil Changed		Client Info		Changed	N/A	N/A
Sample Status				NORMAL	NORMAL	NORMAL
CONTAMINATIO	N	method	limit/base	current	history1	history2
Water		WC Method	>0.05	NEG	NEG	NEG
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>20	2	0	<1
Chromium	ppm	ASTM D5185m	>20	0	0	0
Nickel	ppm	ASTM D5185m	>20	0	0	0
Titanium	ppm	ASTM D5185m		0	0	0
Silver	ppm	ASTM D5185m		0	0	0
Aluminum	ppm	ASTM D5185m	>20	1	<1	<1
Lead	ppm	ASTM D5185m	>20	0	0	<1
Copper	ppm	ASTM D5185m	>20	2	1	2
Tin	ppm	ASTM D5185m	>20	0	0	<1
Vanadium	ppm	ASTM D5185m		0	0	0
Cadmium	ppm	ASTM D5185m		0	0	0
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		0	0	0
Barium	ppm	ASTM D5185m		0	0	<1
Molybdenum	ppm	ASTM D5185m		0	0	<1
Manganese	ppm	ASTM D5185m		0	<1	0
Magnesium	ppm	ASTM D5185m		<1	<1	<1
Calcium	ppm	ASTM D5185m		19	14	19
Phosphorus	ppm	ASTM D5185m		264	231	292
Zinc	ppm	ASTM D5185m		246	241	304
Sulfur	ppm	ASTM D5185m		663	421	909
CONTAMINANTS	3	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>15	<1	<1	3
Sodium	ppm	ASTM D5185m		<1	0	<1
Potassium	ppm	ASTM D5185m	>20	0	0	<1
FLUID CLEANLIN	IESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647	>2500	769	961	1687
Particles >6µm		ASTM D7647	>640	171	136	381
Particles >14µm		ASTM D7647	>160	14	7	29
Particles >21µm		ASTM D7647	>40	5	1	5
Particles >38μm		ASTM D7647	>10	0	0	1
Particles >71µm		ASTM D7647	>3	0	0	0
Oil Cleanliness		ISO 4406 (c)	>18/16/14	17/15/11	17/14/10	18/16/12
FLUID DEGRADA		method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045		0.29	0.22	0.29
:56:03) Rev: 1			0	ontact/Location		

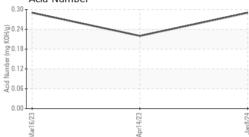
Report Id: SMCSAN [WUSCAR] 06062640 (Generated: 01/23/2024 18:56:03) Rev: 1

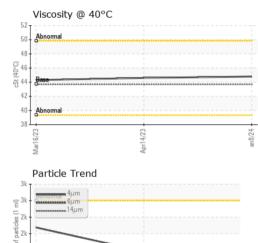
Contact/Location: SUSAN BENNETT - SMCSAN



OIL ANALYSIS REPORT





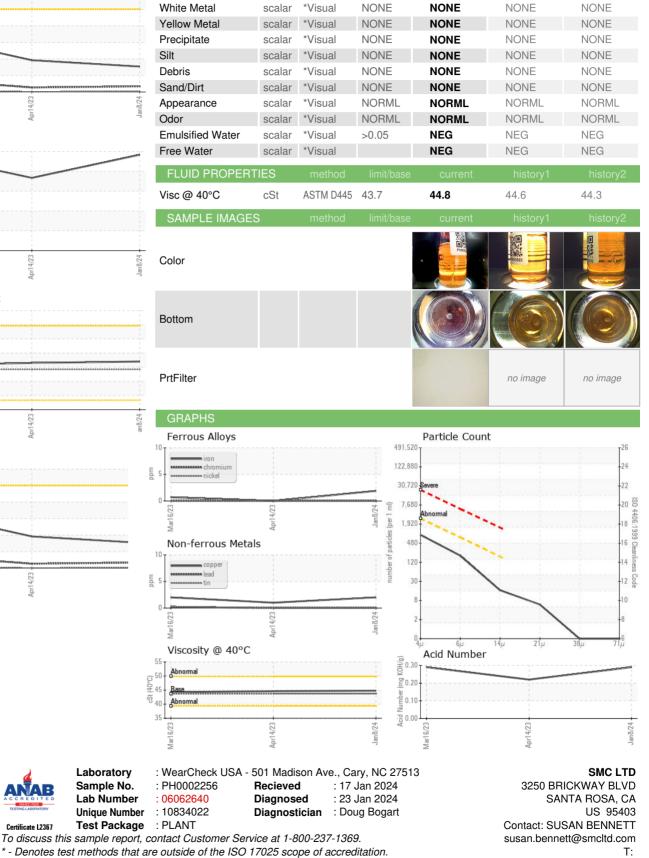


Apr14/25

b 1)

2 I)

n. Mar16/23



F: Contact/Location: SUSAN BENNETT - SMCSAN

Certificate L2367

Laboratory

Sample No.

Lab Number