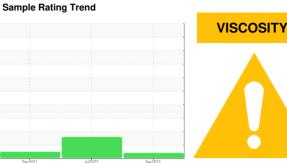


OIL ANALYSIS REPORT

Sample Hau



MAIN PLANT GEA S6

Refrigeration Compressor

CHEVRON CAPELLA OIL WF 68 (80 GAL)

DIAGNOSIS

Recommendation

We recommend that you drain the oil from the component if this has not already been done. 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 oil viscosity is higher than normal. Confirmed. The AN level is acceptable for this fluid.

SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		USP0006520	USP221321	USP221319
Sample Date		Client Info		28 Sep 2023	01 Jul 2022	07 Dec 2021
Machine Age	hrs	Client Info		19310	0	0
Oil Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		N/A	N/A	N/A
Sample Status				ABNORMAL	ABNORMAL	NORMAL
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>8	17	18	12
Chromium	ppm	ASTM D5185m	>2	0	0	0
Nickel	ppm	ASTM D5185m		0	0	0
Titanium	ppm	ASTM D5185m		0	0	0
Silver	ppm	ASTM D5185m	>2	0	<1	0
Aluminum	ppm	ASTM D5185m	>3	0	0	<1
Lead	ppm	ASTM D5185m	>2	0	0	0
Copper	ppm	ASTM D5185m	>8	0	0	0
Tin	ppm	ASTM D5185m	>4	0	0	0
Antimony	ppm	ASTM D5185m				0
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	<1	0
Barium	ppm	ASTM D5185m		0	0	0
Molybdenum	ppm	ASTM D5185m		0	0	0
Manganese	ppm	ASTM D5185m		0	0	0
Magnesium	ppm	ASTM D5185m	0	0	0	0
Calcium	ppm	ASTM D5185m		0	0	0
Phosphorus	ppm	ASTM D5185m		0	<1	0
Zinc	ppm	ASTM D5185m		1	4	1
Sulfur	ppm	ASTM D5185m		172	186	146
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>15	<1	<1	<1
Sodium	ppm	ASTM D5185m		1	0	0
Potassium	ppm	ASTM D5185m	>20	1	0	0
Water	%	ASTM D6304		0.002	0.001	0.001
ppm Water	ppm	ASTM D6304	>100	16	7.6	3.4
FLUID CLEANLIN	ESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647	>10000	8139	17958	4539
Particles >6µm		ASTM D7647	>2500	1601	3289	1159
Particles >14μm		ASTM D7647	>320	45	95	15
Particles >21μm		ASTM D7647	>80	7	9	4
Particles >38μm		ASTM D7647	>20	0	0	0
Particles >71µm		ASTM D7647	>4	0	0	0
·						
Oil Cleanliness		ISO 4406 (c)	>20/18/15	20/18/13	21/19/14	19/17/11

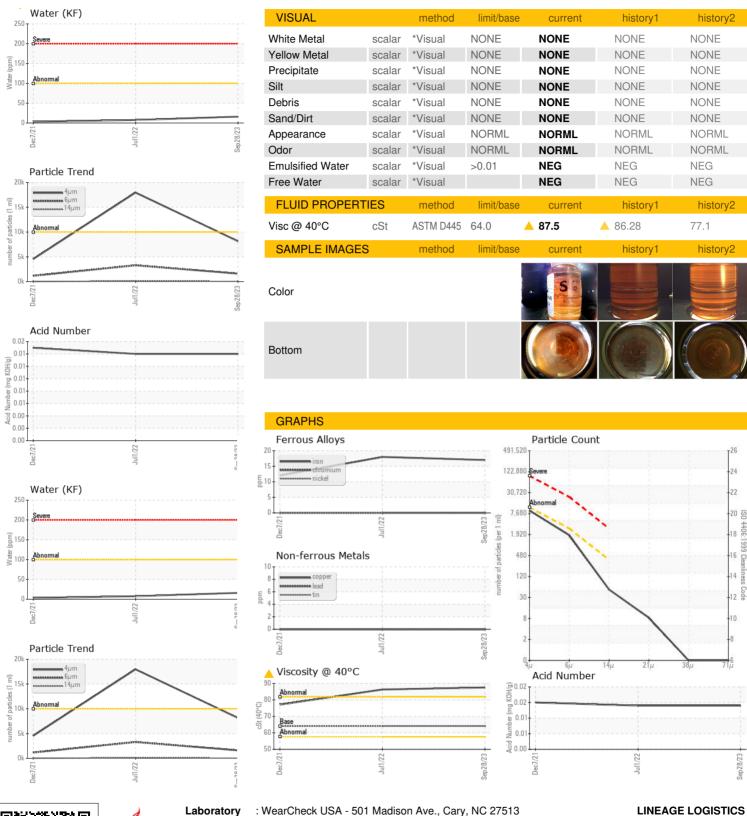
Acid Number (AN)
Report Id: LINQUI [WUSCAR] 06160420 (Generated: 05/04/2024 04:22:51) Rev: 1

mg KOH/g ASTM D974

0.014 0.014 0.015 Contact/Location: ? ? - LINQUI



OIL ANALYSIS REPORT







Certificate 12367

Laboratory Sample No. Lab Number

: 06160420 Unique Number : 10995843

: USP0006520 Test Package : IND 2

Received : 25 Apr 2024 **Tested** : 26 Apr 2024 Diagnosed

: 29 Apr 2024 - Doug Bogart

614 INTERMODAL WAY QUINCY, WA

US 98848 Contact:

T:

F:

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)

Contact/Location: ? ? - LINQUI