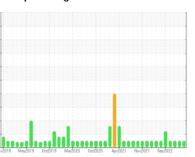


OIL ANALYSIS REPORT

Sample Rating Trend



NORMAL



EAGLEFORD DILLEY AMINE

9300 (S/N F-51098)

Reciprocating Compressor

TULCO LUBSOIL DGP 150 (25 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 component. The amount and size of particulates present in the system is acceptable.

Fluid Condition

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

		42010 Way20	13 OCCUTS WALLES	OCCUPED APPENDED HONDOOF	1002.02.2	
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		TO60000652	TO50000565	TO50000570
Sample Date		Client Info		25 Jan 2023	08 Dec 2022	22 Nov 2022
Machine Age	hrs	Client Info		45713	44578	44191
Oil Age	hrs	Client Info		2000	0	0
Oil Changed		Client Info		Changed	Not Changd	Not Changd
Sample Status				NORMAL	NORMAL	NORMAL
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>50	3	1	3
Chromium	ppm	ASTM D5185m	>10	0	0	0
Nickel	ppm	ASTM D5185m		0	0	0
Titanium	ppm	ASTM D5185m		0	0	0
Silver	ppm	ASTM D5185m		0	0	0
Aluminum	ppm	ASTM D5185m	>25	0	<1	<1
Lead	ppm	ASTM D5185m	>25	<1	<1	0
Copper	ppm	ASTM D5185m	>50	0	<1	0
Tin	ppm	ASTM D5185m	>15	<1	0	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	0	0
Barium	ppm	ASTM D5185m		0	0	0
Molybdenum	ppm	ASTM D5185m		0	0	0
Manganese	ppm	ASTM D5185m		<1	0	0
Magnesium	ppm	ASTM D5185m		<1	0	2
Calcium	ppm	ASTM D5185m		<1	0	_ <1
Phosphorus	ppm	ASTM D5185m	92	79	80	103
Zinc	ppm	ASTM D5185m	02	2	3	9
Sulfur	ppm	ASTM D5185m	1600	1175	1189	923
CONTAMINANTS	;	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	0	0	0
Sodium	ppm	ASTM D5185m	720	0	0	0
Potassium	ppm	ASTM D5185m	>20	<1	0	0
Water	%	ASTM D6304		0.003	0.010	0.009
ppm Water	ppm	ASTM D6304		35.3	100.9	90.5
FLUID CLEANLIN		method	limit/base	current	history1	history2
Particles >4μm		ASTM D7647	>10000	543	702	843
Particles >6µm		ASTM D7647		194	122	161
Particles >14µm		ASTM D7647	>320	20	8	7
Particles >21µm		ASTM D7647		5	3	2
Particles >38µm		ASTM D7647	>20	0	0	0
Particles >71µm		ASTM D7647		0	0	0
Oil Cleanliness		ISO 4406 (c)	>4 >20/18/15	16/15/11	17/14/10	17/15/10
FLUID DEGRADA		method	limit/base	current	history1	history2
Acid Number (AN)	ma KOH/a	ACTM DR045	0.353	0 117	0.077	0.10

Acid Number (AN)

mg KOH/g ASTM D8045 0.353

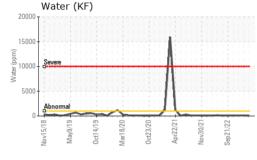
0.077

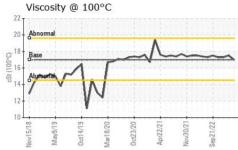
0.117

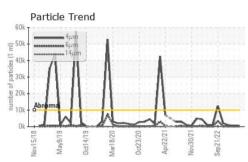
0.10

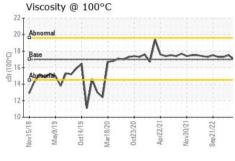


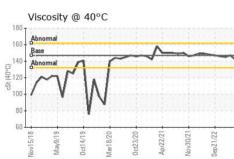
OIL ANALYSIS REPORT

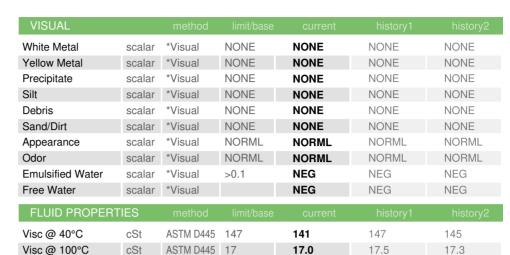






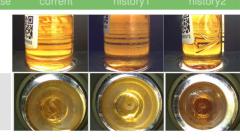


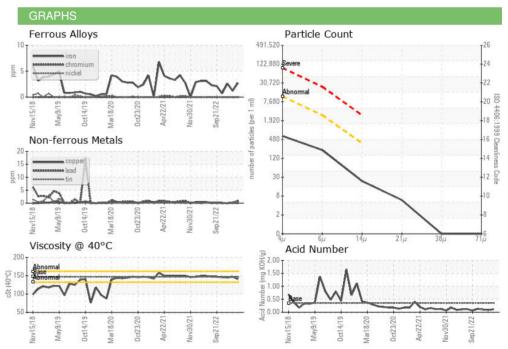




Viscosity Index (VI)	Scale	ASTM D2270	125	130	130	130
SAMPLE IMAGES		method				history2
Color						

Bottom









Certificate 12367

Report Id: WILPEA [WUSCAR] 05760602 (Generated: 05/23/2024 14:14:28) Rev: 1

Lab Number

Laboratory Sample No.

: 05760602

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 : TO60000652 Received

Tested Diagnosed Test Package : IND 2 (Additional Tests: KF, KV100, PrtCount, VI)

: 07 Feb 2023 : 08 Feb 2023

: 08 Feb 2023 - Doug Bogart

WILLIAMS ENERGY 9013 CHESAPEAKE WAY PEARSALL, TX US 78061

Contact: BILLY HARRISON billy.harrison@williams.com

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

Unique Number: 10325209

Contact/Location: BILLY HARRISON - WILPEA

T:

F: