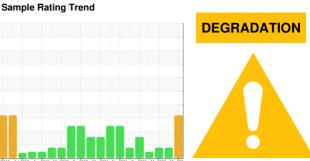


OIL ANALYSIS REPORT



JOYCE PLANT C-201 (S/N 10241D76251205)

Refrigeration Compressor

TULCO LUBSOIL SYN RL WI 100 (250 GAL)

DIAGNOSIS

Recommendation

No corrective action is recommended at this time. The filter change at the time of sampling has been noted. Resample at the next service interval to monitor.

Wear

All component wear rates are normal.

Contamination

There is a high amount of particulates present in the oil.

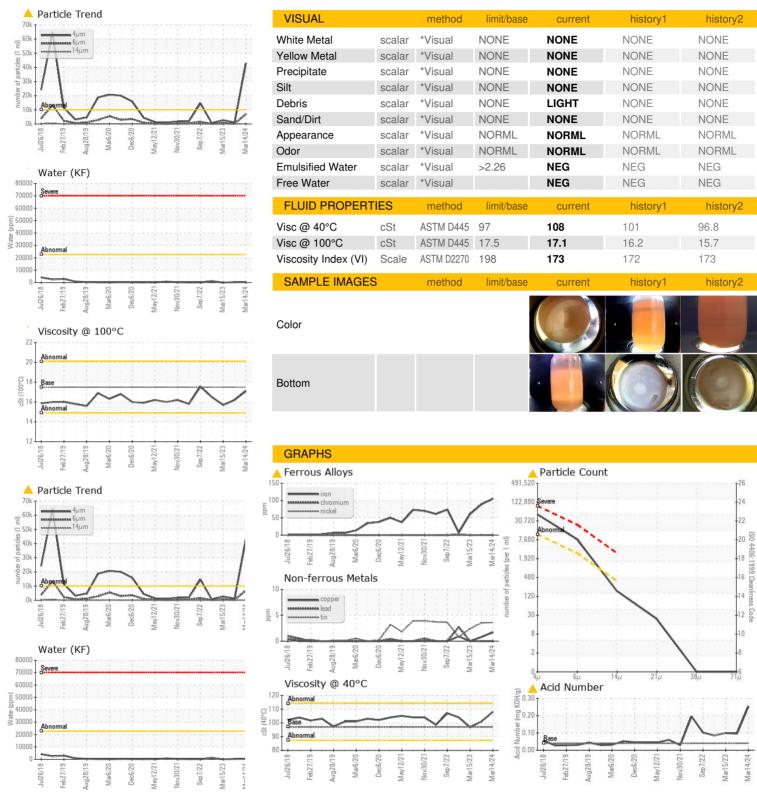
Fluid Condition

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

)		lul2018 Feb201	9 Aug2019 Mar2020 Dec2	020 May2021 Nov2021 Sep2022 Ma	r2023 Mar202	
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		TO90003250	TO90002253	TO90002332
Sample Date		Client Info		14 Mar 2024	14 Aug 2023	15 Mar 2023
Machine Age	hrs	Client Info		0	0	0
Oil Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		N/A	N/A	N/A
Sample Status				ABNORMAL	ABNORMAL	ABNORMAL
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>8	<u> </u>	A 89	<u>▲</u> 61
Chromium	ppm	ASTM D5185m	>2	0	<1	0
Nickel	ppm	ASTM D5185m		<1	0	<1
Titanium	ppm	ASTM D5185m		0	0	0
Silver	ppm	ASTM D5185m	>2	0	0	0
Aluminum	ppm	ASTM D5185m	>3	<1	0	1
Lead	ppm	ASTM D5185m	>2	0	0	0
Copper	ppm	ASTM D5185m	>8	2	<1	0
Tin	ppm	ASTM D5185m	>4	4	4	2
Vanadium	ppm	ASTM D5185m		0	0	0
Cadmium	ppm	ASTM D5185m		<1	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	<1
Manganese	ppm	ASTM D5185m		3	2	1
Magnesium	ppm	ASTM D5185m		2	<1	6
Calcium	ppm	ASTM D5185m		5	6	5
Phosphorus	ppm	ASTM D5185m	1500	774	501	371
Zinc	ppm	ASTM D5185m		47	46	51
Sulfur	ppm	ASTM D5185m		32	53	61
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>15	5	6	6
Sodium	ppm	ASTM D5185m		10	10	9
Potassium	ppm	ASTM D5185m	>20	3	<1	<1
Water	%	ASTM D6304	>2.26	0.033	0.033	0.00
ppm Water	ppm	ASTM D6304	>22600	337	332.0	0.00
FLUID CLEANLIN	ESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647	>10000	42890	1133	2558
Particles >6µm		ASTM D7647	>2500	6854	169	562
Particles >14µm		ASTM D7647	>320	155	11	14
Particles >21µm		ASTM D7647	>80	20	3	5
Particles >38µm		ASTM D7647	>20	0	0	0
Particles >71µm		ASTM D7647	>4	0	0	0
Oil Cleanliness		ISO 4406 (c)	>20/18/15	<u>^</u> 23/20/14	17/15/11	19/16/11
FLUID DEGRADA	TION	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D974	0.04	△ 0.254	0.096	0.099



OIL ANALYSIS REPORT







Certificate 12367

Laboratory

Sample No. Lab Number

Unique Number: 10980581

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 : TO90003250 : 06150503

Received : 16 Apr 2024 **Tested** Diagnosed

: 17 Apr 2024 : 18 Apr 2024 - Jonathan Hester

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

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.

US 79755 Contact: LLOYD FITTS lfitts@targaresources.com T: (432)770-7923

TARGA RESOURCES - JOYCE

1757 COUNTY ROAD 250

Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)

F:

MIDKIFF, TX