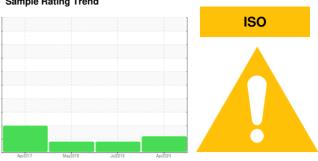


OIL ANALYSIS REPORT

Sample Rating Trend



Machine Id

TKS PRESS 1 FOLDER

Component Hydraulic System

TULCO LUBSOIL SUPER HYDRAULIC AW 68 (--- GAL)

DIAGNOSIS

Recommendation

We recommend you service the filters on this component if applicable. Resample at the next service interval to monitor.

All component wear rates are normal.

Contamination

There is a high amount of silt (particulates < 14 microns in size) present in the oil.

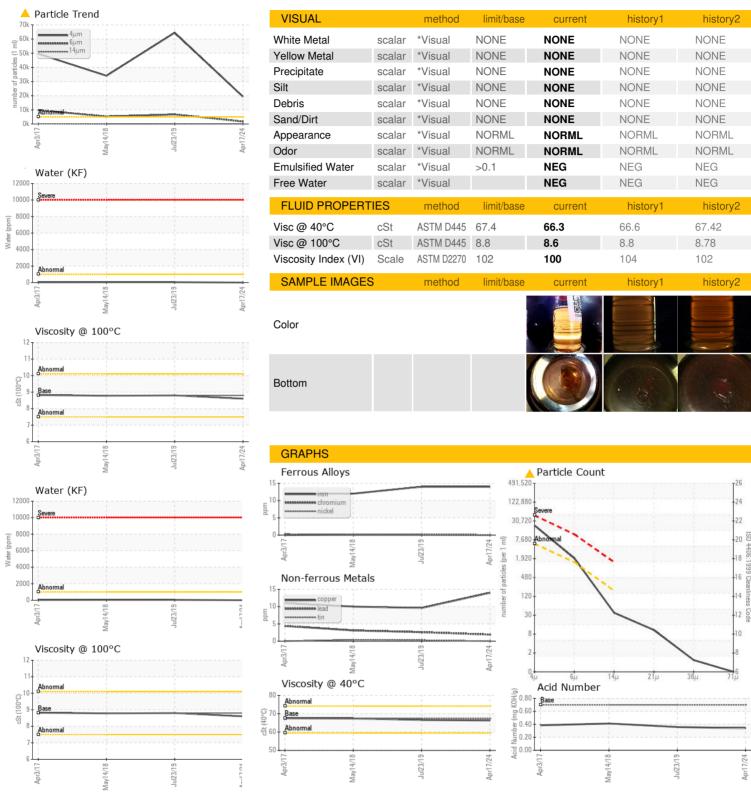
Fluid Condition

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

68 (GAL)		Apr201	7 May2018	Jul2019 A	pr2024	
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		TO50000872	TO5000382	TO5010025
Sample Date		Client Info		17 Apr 2024	23 Jul 2019	14 May 2018
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	>20	14	14	12
Chromium	ppm	ASTM D5185m	>10	0	<1	<1
Nickel	ppm	ASTM D5185m	>10	0	<1	<1
Titanium	ppm	ASTM D5185m		<1	0	0
Silver	ppm	ASTM D5185m		0	0	0
Aluminum	ppm	ASTM D5185m	>10	0	<1	<1
Lead	ppm	ASTM D5185m	>10	2	3	3
Copper	ppm	ASTM D5185m	>75	14	10	10
Tin	ppm	ASTM D5185m	>10	0	<1	<1
Antimony	ppm	ASTM D5185m			0	0
Vanadium	ppm	ASTM D5185m		<1	0	0
Cadmium	ppm	ASTM D5185m		0	0	<1
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		0	1	<1
Barium	ppm	ASTM D5185m		0	0	<1
Molybdenum	ppm	ASTM D5185m		0	<1	<1
Manganese	ppm	ASTM D5185m		<1	<1	<1
Magnesium	ppm	ASTM D5185m		3	5	7
Calcium	ppm	ASTM D5185m		5	3	5
Phosphorus	ppm	ASTM D5185m	425	151	178	208
Zinc	ppm	ASTM D5185m	500	138	147	183
Sulfur	ppm	ASTM D5185m	1900	5903	5728	2899
CONTAMINANTS	3	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>20	13	16	18
Sodium	ppm	ASTM D5185m		0	1	1
Potassium	ppm	ASTM D5185m	>20	0	1	<1
Water	%	ASTM D6304	>0.1	0.00	0.005	0.005
opm Water	ppm	ASTM D6304	>1000	0	50	50
FLUID CLEANLIN	IESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647	>5000	19258	<u>▲</u> 64505	▲ 34084
Particles >6µm		ASTM D7647	>1300	<u> </u>	△ 6733	<u>▲</u> 5279
Particles >14µm		ASTM D7647	>160	32	39	62
Particles >21µm		ASTM D7647	>40	9	6	23
Particles >38µm		ASTM D7647	>10	1	0	6
Particles >71μm		ASTM D7647		0	0	1
Oil Cleanliness		ISO 4406 (c)	>19/17/14	<u>^</u> 21/18/12	▲ 23/20/12	<u>22/20/13</u>
FLUID DEGRADA	ATION	method	limit/base	current	history1	history2



OIL ANALYSIS REPORT







Certificate 12367

Sample No.

Laboratory

: TO50000872 Lab Number : 06155912 Unique Number : 10991335

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received : 22 Apr 2024 **Tested** : 23 Apr 2024

Diagnosed : 24 Apr 2024 - Don Baldridge Test Package : IND 2 (Additional Tests: KF, KV100, VI)

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)

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