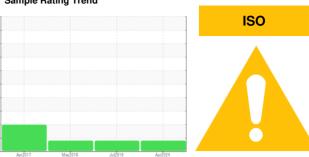


OIL ANALYSIS REPORT

Sample Rating Trend



Machine Id

TKS PRESS 5 UNIT 7

Component **Hydraulic System**

TULCO LUBSOIL SUPER HYDRAULIC AW 68 (50 GAL)

DIAGNOSIS

Recommendation

No corrective action is recommended at this time. Resample at the next service interval to monitor.

Wear

All component wear rates are normal.

Contamination

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

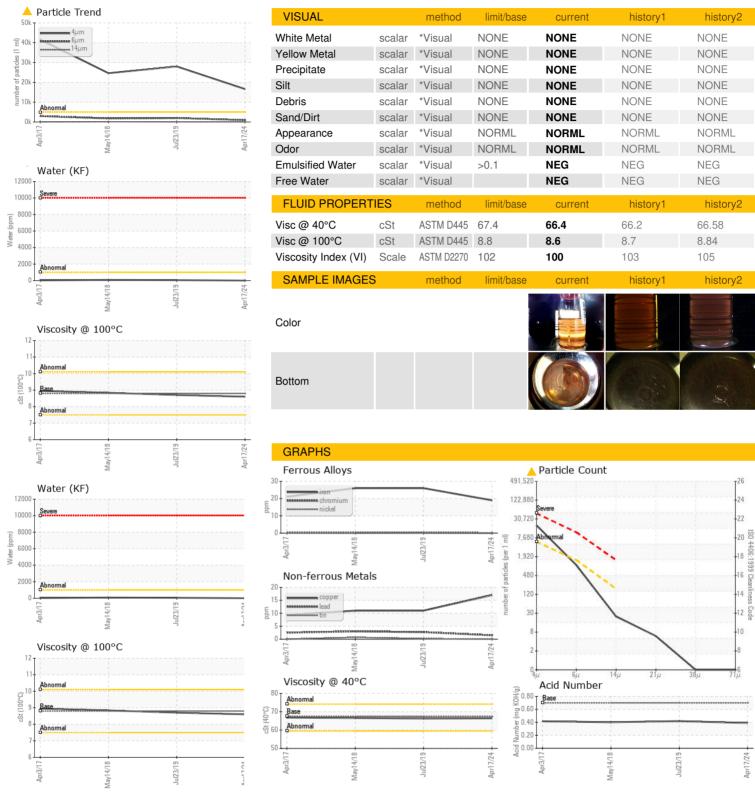
Fluid Condition

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

SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		TO50000790	TO5000416	TO5010005
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
ron	ppm	ASTM D5185m	>20	19	26	26
Chromium	ppm	ASTM D5185m	>10	0	<1	<1
Nickel	ppm	ASTM D5185m	>10	0	<1	0
Γitanium	ppm	ASTM D5185m		<1	0	0
Silver	ppm	ASTM D5185m		0	0	0
Aluminum	ppm	ASTM D5185m	>10	<1	1	<1
_ead	ppm	ASTM D5185m	>10	2	3	3
Copper	ppm	ASTM D5185m	>75	17	11	11
Γin	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	<1	<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		<1	<1	<1
Manganese	ppm	ASTM D5185m		<1	<1	<1
Magnesium	ppm	ASTM D5185m		4	6	6
Calcium	ppm	ASTM D5185m		7	4	4
Phosphorus	ppm	ASTM D5185m	425	160	194	208
Zinc	ppm	ASTM D5185m	500	165	188	191
Sulfur	ppm	ASTM D5185m	1900	5184	5166	2813
CONTAMINANTS	}	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>20	17	20	19
Sodium	ppm	ASTM D5185m		2	3	3
Potassium	ppm	ASTM D5185m	>20	1	2	2
Nater	%	ASTM D6304	>0.1	0.00	0.006	0.008
opm Water	ppm	ASTM D6304	>1000	0	60	80
FLUID CLEANLIN	IESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647	>5000	16614	△ 27993	2 4629
Particles >6µm		ASTM D7647	>1300	911	1994	1785
Particles >14µm		ASTM D7647	>160	21	43	147
Particles >21µm		ASTM D7647	>40	5	10	37
Particles >38µm		ASTM D7647	>10	0	0	9
•		ASTM D7647	>3	0	0	2
Particles >71µm Dil Cleanliness		ASTM D7647 ISO 4406 (c)	>3 >19/17/14	0 <u>21/17/12</u>	0 ^ 22/18/13	2 ^ 22/18/14



OIL ANALYSIS REPORT







Certificate 12367

Laboratory Sample No.

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

: TO50000790 Lab Number : 06155918

Unique Number: 10991341

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

Received

Tested

: 22 Apr 2024

: 23 Apr 2024

: 24 Apr 2024 - Don Baldridge

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.

kclark@dallasnews.com Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)

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