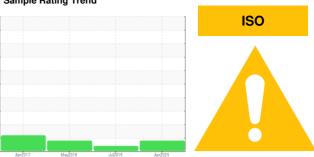


OIL ANALYSIS REPORT

Sample Rating Trend



Machine Id

TKS PRESS 6 UNIT 5-6

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 < 6 microns in size) present in the oil.

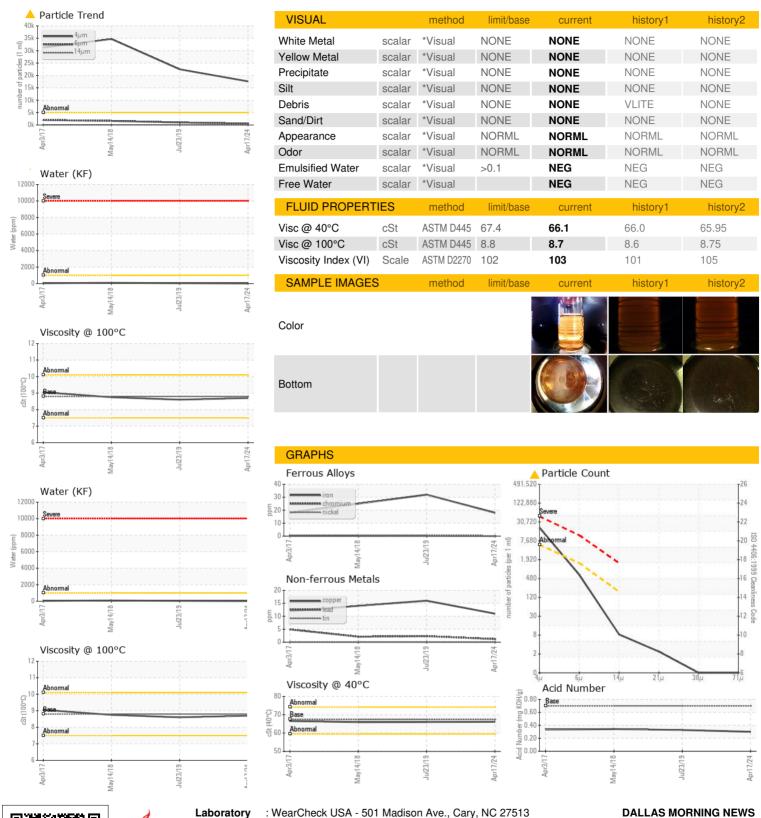
Fluid Condition

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

68 (50 GAL)		Apr201	7 May2018	Jul2019 A	pr2024	
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		TO50000777	TO5000404	TO5010047
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	18	32	25
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	<1	0
Aluminum	ppm	ASTM D5185m	>10	<1	1	<1
_ead	ppm	ASTM D5185m	>10	1	2	2
Copper	ppm	ASTM D5185m	>75	11	16	14
Γin	ppm	ASTM D5185m	>10	0	0	0
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	<1	<1
Molybdenum	ppm	ASTM D5185m		<1	<1	<1
Manganese	ppm	ASTM D5185m		<1	<1	<1
Magnesium	ppm	ASTM D5185m		4	4	5
Calcium	ppm	ASTM D5185m		7	2	3
Phosphorus	ppm	ASTM D5185m	425	133	164	178
Zinc	ppm	ASTM D5185m	500	111	154	150
Sulfur	ppm	ASTM D5185m	1900	5677	5424	3023
CONTAMINANTS	3	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>20	14	22	18
Sodium	ppm	ASTM D5185m		<1	2	2
Potassium	ppm	ASTM D5185m	>20	1	3	3
Nater	%	ASTM D6304	>0.1	0.001	0.005	0.009
opm Water	ppm	ASTM D6304	>1000	5	50	90
FLUID CLEANLIN	NESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647	>5000	<u> </u>	<u>▲</u> 22465	△ 34710
Particles >6µm		ASTM D7647	>1300	555	1010	1646
Particles >14µm		ASTM D7647	>160	7	26	50
Particles >21µm		ASTM D7647	>40	2	5	16
Particles >38µm		ASTM D7647	>10	0	0	8
Particles >71μm		ASTM D7647	>3	0	0	2
Oil Cleanliness		ISO 4406 (c)	>19/17/14	<u>^</u> 21/16/10	<u>22/17/12</u>	<u>△</u> 22/18/13
FLUID DEGRADA	ATION	method	limit/base	current	history1	history2



OIL ANALYSIS REPORT







Certificate 12367

Laboratory

Sample No.

: TO50000777 Lab Number : 06155899 Unique Number : 10991322

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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