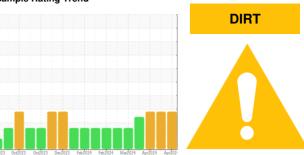


OIL ANALYSIS REPORT

Sample Rating Trend



Machine Id

SL4-2 ASSET 9705 (S/N C1444000126)

Vacuum Pump

USPI 1580-125 (11 GAL)

DIAGNOSIS

Recommendation

We recommend that you drain the oil from the component if this has not already been done. Resample at the next service interval to monitor.

All component wear rates are normal.

Contamination

Elemental level of silicon (Si) above normal. The amount and size of particulates present in the system are acceptable.

Fluid Condition

The AN level is above the recommended limit.

SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		USP0006771	USP0006758	USP0006760
Sample Date		Client Info		10 Apr 2024	08 Apr 2024	03 Apr 2024
Machine Age	hrs	Client Info		0	0	0
Oil Age	hrs	Client Info		541	496	447
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	7	9	28
Chromium	ppm	ASTM D5185m	>20	0	<1	<1
Nickel	ppm	ASTM D5185m	>20	0	1	1
Titanium	ppm	ASTM D5185m		0	<1	<1
Silver	ppm	ASTM D5185m		<1	0	0
Aluminum	ppm	ASTM D5185m	>20	1	3	3
Lead	ppm	ASTM D5185m	>20	1	1	1
Copper	ppm	ASTM D5185m	>20	2	3	3
Tin	ppm	ASTM D5185m	>20	0	1	1
Vanadium	ppm	ASTM D5185m		0	<1	<1
Cadmium	ppm	ASTM D5185m		<1	1	1
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		14	0	0
Barium	ppm	ASTM D5185m		2	<1	<1
Molybdenum	ppm	ASTM D5185m		0	<1	<1
Manganese	ppm	ASTM D5185m		<1	<1	1
Magnesium	ppm	ASTM D5185m		1	<1	<1
Calcium	ppm	ASTM D5185m		2	4	5
Phosphorus	ppm	ASTM D5185m		1677	1672	1429
Zinc	ppm	ASTM D5185m		5	8	9
Sulfur	ppm	ASTM D5185m		1290	970	879
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>15	<u> </u>	▲ 82	△ 68
Sodium	ppm	ASTM D5185m	7.0	1	6	6
Potassium	ppm	ASTM D5185m	>20	6	2	1
Water	%	ASTM D6304	>2.0	0.402	0.290	0.215
ppm Water	ppm	ASTM D6304	>20000	4020	2900	2152
FLUID CLEANLIN	IESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647	>5000	638	2250	187
Particles >6µm		ASTM D7647	>1300	158	680	57
Particles >14µm		ASTM D7647	>160	29	68	9
Particles >21µm		ASTM D7647	>40	10	21	4
Particles >38µm		ASTM D7647	>10	0	1	1
Particles >71µm		ASTM D7647	>3	0	0	0
Oil Cleanliness		ISO 4406 (c)	>19/17/14	16/14/12	18/17/13	15/13/10
	TION					
FLUID DEGRADA	TION	method	limit/base	current	history1	history2

Acid Number (AN)

mg KOH/g ASTM D8045

△ 3.34

3.85

2.68



OIL ANALYSIS REPORT







Certificate 12367

Laboratory

Sample No. : USP0006771 Lab Number : 06148740 Unique Number : 10978818

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received : 15 Apr 2024 Tested : 16 Apr 2024

Diagnosed : 16 Apr 2024 - Doug Bogart Test Package : IND 2

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

CAMBRIA 31496 CAMBRIA AVE LE SUEUR, MN US 56058

Contact: Service Manager

T:

F: