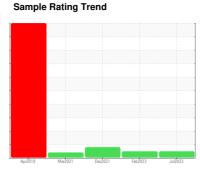


OIL ANALYSIS REPORT

LINE 14 (S/N 776034) Component

Hydraulic System

SUNOCO SUNVIS 846 ISO 46 (75 GAL)





Recommendation

Resample at the next service interval to monitor.

All component wear rates are normal.

Contamination

The system cleanliness is acceptable for your target ISO 4406 cleanliness code. The system and fluid cleanliness is acceptable.

Fluid Condition

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

		Apr2019	Mar2021	Dec2021 Feb2023	Jul2023	
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		WC0760811	WC0760813	WC0560294
Sample Date		Client Info		17 Jul 2023	13 Feb 2023	02 Dec 2021
Machine Age	hrs	Client Info		0	0	0
Oil Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		N/A	Not Changd	Not Changd
Sample Status				NORMAL	NORMAL	ABNORMAL
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>20	<1	5	19
Chromium	ppm	ASTM D5185m	>20	<1	1	1
Nickel	ppm	ASTM D5185m	>20	0	0	0
Titanium	ppm	ASTM D5185m		0	0	0
Silver	ppm	ASTM D5185m		0	0	0
Aluminum	ppm	ASTM D5185m	>20	0	0	0
Lead	ppm	ASTM D5185m	>20	<1	0	<1
Copper	ppm	ASTM D5185m	>20	1	3	11
Tin	ppm	ASTM D5185m	>20	0	0	<1
Antimony	ppm	ASTM D5185m				0
Vanadium	ppm	ASTM D5185m		0	0	0
Cadmium	ppm	ASTM D5185m		0	0	0
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		0	0	2
Barium	ppm	ASTM D5185m		2	0	0
Molybdenum	ppm	ASTM D5185m		<1	<1	<1
Manganese	ppm	ASTM D5185m		0	0	<1
Magnesium	ppm	ASTM D5185m		3	4	3
Calcium	ppm	ASTM D5185m		81	52	47
Phosphorus	ppm	ASTM D5185m		361	331	359
Zinc	ppm	ASTM D5185m		474	360	382
Sulfur	ppm	ASTM D5185m		3726	3324	1526
CONTAMINANTS	5	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>15	2	2	0
Sodium	ppm	ASTM D5185m		0	<1	0
Potassium	ppm	ASTM D5185m	>20	<1	0	0
FLUID CLEANLIN	IESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647	>1300	165	159	▲ 12323
Particles >6µm		ASTM D7647	>320	61	53	△ 976
Particles >14µm		ASTM D7647	>80	13	9	42
Particles >21µm		ASTM D7647	>20	5	2	14
Particles >38µm		ASTM D7647	>4	1	1	1
Particles >71µm		ASTM D7647	>3	0	0	0
Oil Cleanliness		ISO 4406 (c)	>17/15/13	15/13/11	14/13/10	△ 21/17/13
FLUID DEGRADA	NOITA	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045		0.36	0.34	0.443



OIL ANALYSIS REPORT







Laboratory Sample No. Lab Number

Unique Number : 10566257 Test Package : IND 2

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 : 21 Jul 2023 : WC0760811 Received : 05904901 Diagnosed : 24 Jul 2023

: Wes Davis Diagnostician

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)

Altium Packaging - ALLENTOWN - Plant 1034A

6831 RUPPSVILLE RD ALLENTOWN, PA

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