

OIL ANALYSIS REPORT





Machine Id **SPC-02** Hydraulic System

SHELL ECOSAFE S3 DU 46 (--- GAL)

DIAGNOSIS

Recommendation

The filter change at the time of sampling has been noted. Resample at the next service interval to monitor. Please specify the component make and model with your next sample.

All component wear rates are normal.

Contamination

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

Fluid Condition

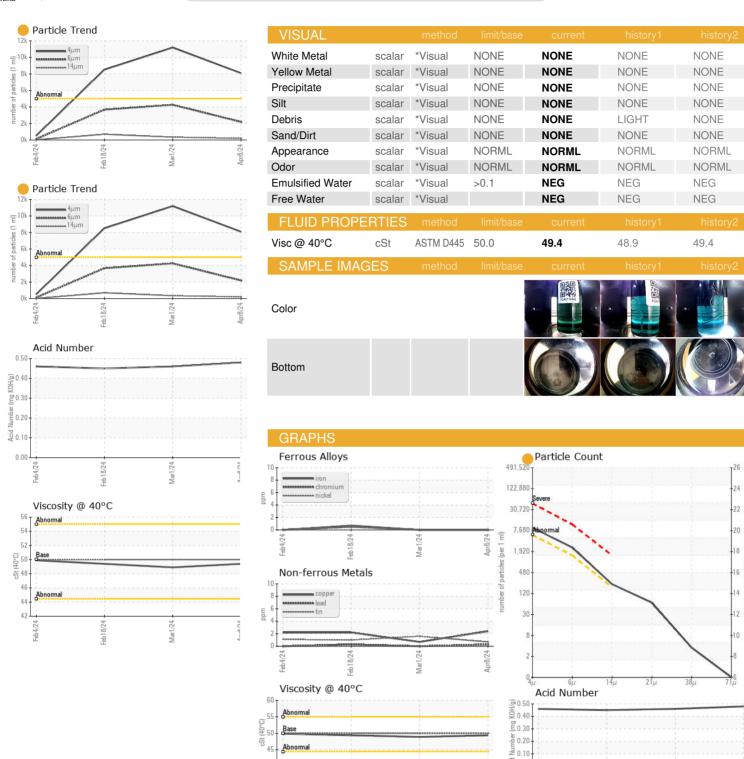
The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

		F80202			12024	
SAMPLE INFORI	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		PCA0118445	PCA0118505	PCA0118522
Sample Date		Client Info		08 Apr 2024	01 Mar 2024	18 Feb 2024
Machine Age	hrs	Client Info		8864	8072	7813
Oil Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		Changed	Not Changd	Not Changd
Sample Status				ATTENTION	ABNORMAL	ABNORMAL
CONTAMINAT	ION	method	limit/base	current	history1	history2
Water		WC Method	>0.1	NEG	NEG	NEG
WEAR METAL	S	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>20	0	0	<1
Chromium	ppm	ASTM D5185m	>10	0	0	<1
Nickel	ppm	ASTM D5185m	>10	0	0	<1
Titanium	ppm	ASTM D5185m		0	0	<1
Silver	ppm	ASTM D5185m		0	0	<1
Aluminum	ppm	ASTM D5185m	>10	<1	0	<1
Lead	ppm	ASTM D5185m	>10	<1	0	<1
Copper	ppm	ASTM D5185m	>75	2	<1	2
Tin	ppm	ASTM D5185m	>10	<1	2	1
Vanadium	ppm	ASTM D5185m		0	0	<1
Cadmium	ppm	ASTM D5185m		0	0	<1
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		0	0	0
Barium	ppm	ASTM D5185m		0	0	5
Molybdenum	ppm	ASTM D5185m		0	0	1
Manganese	ppm	ASTM D5185m		<1	0	<1
Magnesium	ppm	ASTM D5185m		1	0	<1
Calcium	ppm	ASTM D5185m		1	2	6
Phosphorus	ppm	ASTM D5185m		674	742	621
Zinc	ppm	ASTM D5185m		0	2	9
Sulfur	ppm	ASTM D5185m		4073	3755	3718
CONTAMINAN	TS	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>20	<1	0	1
Sodium	ppm	ASTM D5185m		1	0	0
Potassium	ppm	ASTM D5185m	>20	3	0	<1
FLUID CLEANL	INESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647	>5000	8097	<u></u> 11194	8522
Particles >6µm		ASTM D7647	>1300	<u>2192</u>	4261	▲ 3668
Particles >14µm		ASTM D7647	>160	196	▲ 342	△ 693
Particles >21µm		ASTM D7647	>40	58	75	<u>^</u> 271
Particles >38µm		ASTM D7647	>10	3	2	<u>^</u> 28
Particles >71μm		ASTM D7647	>3	0	0	5
Oil Cleanliness		ISO 4406 (c)	>19/17/14	20/18/15	<u>^</u> 21/19/16	<u>^</u> 20/19/17
FLUID DEGRA	DATION	method	limit/base	current	history1	history2

Contact/Location: FRANK NALLY - SCRMIN



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Laboratory Sample No.

Lab Number : 06153037 Unique Number : 10983115

: PCA0118445

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received : 18 Apr 2024

Mar1/24

Tested : 19 Apr 2024 Diagnosed : 19 Apr 2024 - Wes Davis

0.00 G

1500 COMMERCIAL AVE MINGO JUNCTION, OH

US 43938 Contact: FRANK NALLY

fnally@scrapmetalservices.com

Test Package : MOB 2 Certificate 12367 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)

Report Id: SCRMIN [WUSCAR] 06153037 (Generated: 04/19/2024 12:29:38) Rev: 1

Contact/Location: FRANK NALLY - SCRMIN

SCRAP METAL SERVICES (SMS Mill Services LLC)

T:

F: