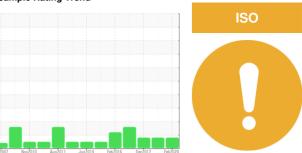


OIL ANALYSIS REPORT

Sample Rating Trend



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Molding PRESS 09 (S/N 61002720)

Hydraulic System

SHELL TELLUS S3 M 46 (45 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 moderate amount of particulates present in the oil.

Fluid Condition

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

		Apr2007	lov2010 Aug2011	Jun2014 Feb2016 Dec2017	Feb 2020	
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		ST39980	ST40005	ST36749
Sample Date		Client Info		13 Feb 2020	27 Dec 2018	19 Dec 2017
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				ATTENTION	ATTENTION	ATTENTION
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>40	5	20	18
Chromium	ppm	ASTM D5185m	>4	<1	1	<1
Nickel	ppm	ASTM D5185m		0	0	<1
Titanium	ppm	ASTM D5185m		0	<1	0
Silver	ppm	ASTM D5185m		0	0	0
Aluminum	ppm	ASTM D5185m	>4	0	<1	0
Lead	ppm	ASTM D5185m	>10	0	<1	3
Copper	ppm	ASTM D5185m	>60	1	4	3
Tin	ppm	ASTM D5185m	>4	0	<1	0
Antimony	ppm	ASTM D5185m		0	0	0
Vanadium	ppm	ASTM D5185m		0	<1	<1
Cadmium	ppm	ASTM D5185m		0	<1	0
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	0	0	<1	<1
Barium	ppm	ASTM D5185m	3	0	0	0
Molybdenum	ppm	ASTM D5185m	0	<1	<1	<1
Manganese	ppm	ASTM D5185m		<1	<1	<1
Magnesium	ppm	ASTM D5185m	0	0	0	0
Calcium	ppm	ASTM D5185m	0	25	23	22
Phosphorus	ppm	ASTM D5185m	106	99	203	198
Zinc	ppm	ASTM D5185m	0	18	134	131
Sulfur	ppm	ASTM D5185m		865	2052	1767
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>20	<1	<1	<1
Sodium	ppm	ASTM D5185m		0	2	4
Potassium	ppm	ASTM D5185m	>20	0	0	0
Water	%	ASTM D6304	>0.05	0.002	0.004	0.003
ppm Water	ppm	ASTM D6304	>500	23.5	40	30
FLUID CLEANLIN	ESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647	>640	395	566	319
Particles >6µm		ASTM D7647	>80	<u> </u>	141	1 09
Particles >14μm		ASTM D7647	>10	<u>12</u>	1 1	1 1
Particles >21µm		ASTM D7647	>3	3	3	3
Particles >38µm		ASTM D7647	>3	0	0	1
Particles >71µm		ASTM D7647	>3	0	0	0
Oil Cleanliness		ISO 4406 (c)	>16/13/10	16/14/11	16/14/11	15/14/11
FLUID DEGRADA	TION	method	limit/base	current	history1	history2



OIL ANALYSIS REPORT







Certificate 12367

Laboratory Sample No.

Lab Number

: ST39980 : 04912163 Unique Number : 8922241

Tested Diagnosed

Received

: 14 Feb 2020

: 17 Feb 2020

: 17 Feb 2020 - Don Baldridge

Test Package : IND 2 (Additional Tests: KF) 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)

MENSHEN PACKAGING USA INC.

21 INDUSTRIAL PARK WALDWICK, NJ

US 07463 Contact: Jonathan Vanbeekum

jonathan.vanbeekum@menshen.com

Report Id: MENWAL [WUSCAR] 04912163 (Generated: 06/26/2024 09:04:50) Rev: 1

Contact/Location: Jonathan Vanbeekum - MENWAL

T:

F: