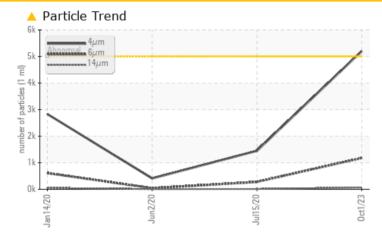


Machine Id SL3 M1 Component Hydraulic System Fluid SHELL TELLUS S2 MX 46 (100 GAL)

PERFORMANCE UNDER PRESSURE

COMPONENT CONDITION SUMMARY



RECOMMENDATION

We recommend you service the filters on this component. Resample at the next service interval to monitor.

PROBLEMATIC TEST RESULTS							
Sample Status			ATTENTION	NORMAL	NORMAL		
Particles >4µm	ASTM D7647	>5000	6 5203	1450	408		
Oil Cleanliness	ISO 4406 (c)	>19/17/14	A 20/17/13	18/15/11	16/13/10		

Customer Id: JOHPUL Sample No.: RP0018153 Lab Number: 05979599 Test Package: IND 2



To manage this report scan the QR code

To discuss the diagnosis or test data: Wes Davis +1 905-569-8600 x223 wesd@wearcheck.ca

To change component or sample information: Customer Service +1 1-800-237-1369 customerservice@wearcheck.com

RECOMMENDED ACTIONS					
Action	Status	Date	Done By	Description	
Change Filter			?	We recommend you service the filters on this component.	

HISTORICAL DIAGNOSIS

NORMAL



Resample at the next service interval to monitor.All component wear rates are normal. The amount and size of particulates present in the system are acceptable. There is no indication of any contamination in the oil. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.



view report

02 Jun 2020 Diag: Don Baldridge

15 Jul 2020 Diag: Don Baldridge

NORMAL



Resample at the next service interval to monitor.All component wear rates are normal. The amount and size of particulates present in the system are acceptable. There is no indication of any contamination in the oil. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

14 Jan 2020 Diag: Jonathan Hester

Resample at the next service interval to monitor.All component wear rates are normal. There is no indication of any contamination in the oil. The amount and size of particulates present in the system are acceptable. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.







OIL ANALYSIS REPORT

Sample Rating Trend



Machine Id **SL3 M1** Component **Hydraulic System** Fluid SHELL TELLUS S2 MX 46 (100 GAL)

DIAGNOSIS

A Recommendation

We recommend you service the filters on this component. Resample at the next service interval to monitor.

Wear

All component wear rates are normal.

Contamination

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

Fluid Condition

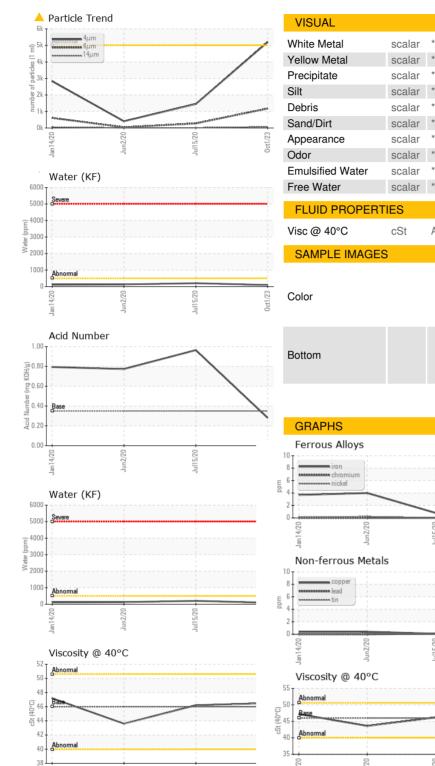
The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

SAMPLE INFORM	IATION	method	limit/base	current	history1	history2
Sample Number		Client Info		RP0018153	RP0005572	RP168807
Sample Date		Client Info		01 Oct 2023	15 Jul 2020	02 Jun 2020
Machine Age	hrs	Client Info		0	0	0
Oil Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		N/A	Changed	N/A
Sample Status				ATTENTION	NORMAL	NORMAL
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>20	1	<1	4
Chromium	ppm	ASTM D5185m	>20	0	0	0
Nickel		ASTM D5185m	>20	0	0	<1
	ppm		>20	0	0	0
Titanium Silver	ppm	ASTM D5185m		-		<1
	ppm	ASTM D5185m	00	0	<1	
Aluminum	ppm	ASTM D5185m	>20	-	0	0
Lead	ppm	ASTM D5185m	>20	0	<1	0
Copper	ppm		>20	<1	<1	<1
Tin	ppm	ASTM D5185m	>20	0	<1	<1
Antimony	ppm	ASTM D5185m			0	0
Vanadium	ppm	ASTM D5185m		0	0	0
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	0	0	0	0
Molybdenum	ppm	ASTM D5185m	0	<1	0	0
Manganese	ppm	ASTM D5185m	0	<1	0	<1
Magnesium	ppm	ASTM D5185m	70	51	<1	<1
Calcium	ppm	ASTM D5185m	10	<1	129	125
Phosphorus	ppm	ASTM D5185m	300	277	483	479
Zinc	ppm	ASTM D5185m	325	293	706	680
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>15	<1	1	1
Sodium	ppm	ASTM D5185m		<1	0	2
Potassium	ppm	ASTM D5185m	>20	0	0	0
Water	%	ASTM D6304	>0.05	0.008	0.020	0.012
ppm Water	ppm	ASTM D6304	>500	89.4	203.2	126.8
FLUID CLEANLIN	ESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647	>5000	6 5203	1450	408
Particles >6µm		ASTM D7647	>1300	1177	277	42
Particles >14µm		ASTM D7647	>160	67	12	5
Particles >21µm		ASTM D7647	>40	18	0	1
Particles >38µm		ASTM D7647	>10	1	0	0
Particles >71µm		ASTM D7647		0	0	0
Oil Cleanliness		ISO 4406 (c)	>19/17/14	▲ 20/17/13	18/15/11	16/13/10
FLUID DEGRADA		method	limit/base	current	history1	history2
Acid Number (AN)		ASTM D8045		0.28	0.964	0.773
ACIO NUITIDET (AIN)	mg KOH/g	AO I NI DOU45	0.33	0.20	0.904	0.773

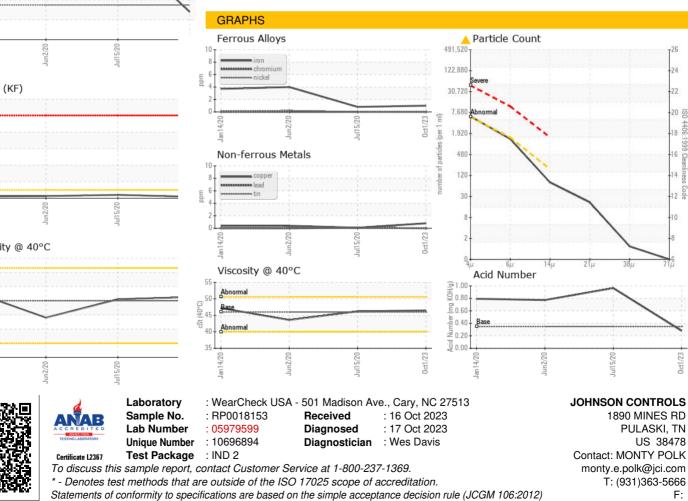
Contact/Location: MONTY POLK - JOHPUL



OIL ANALYSIS REPORT



VISUAL		method	limit/base	current	history1	history2
Vhite Metal	scalar	*Visual	NONE	NONE	NONE	NONE
ellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
recipitate	scalar	*Visual	NONE	NONE	NONE	NONE
lilt	scalar	*Visual	NONE	NONE	NONE	NONE
ebris	scalar	*Visual	NONE	NONE	NONE	NONE
and/Dirt	scalar	*Visual	NONE	NONE	NONE	NONE
ppearance	scalar	*Visual	NORML	NORML	NORML	NORML
dor	scalar	*Visual	NORML	NORML	NORML	NORML
mulsified Water	scalar	*Visual	>0.05	NEG	NEG	NEG
ree Water	scalar	*Visual		NEG	NEG	NEG
FLUID PROPERT	IES	method	limit/base	current	history1	history2
′isc @ 40°C	cSt	ASTM D445	46.0	46.5	46.2	43.6
SAMPLE IMAGES	6	method	limit/base	current	history1	history2
Color						
				(Carl	16251	



Contact/Location: MONTY POLK - JOHPUL