

No relevant graphs to display

RECOMMENDATION

We recommend you service the filters on this component. Resample at the next service interval to monitor. We were unable to perform a particle count due to metal particles present in this sample.

PROBLEMATIC TEST RESULTS							
Sample Status				ABNORMAL	NORMAL	ABNORMAL	
White Metal	scalar	*Visual	NONE	🔺 MODER	NONE	NONE	

Customer Id: WESCARTEX Sample No.: RP0038259 Lab Number: 05982369 Test Package: IND 2



To manage this report scan the QR code

To discuss the diagnosis or test data: Jonathan Hester +1 919-379-4092 x4092 jhester@wearcheckusa.com

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

RECOMMENDED ACTIONS						
Action	Status	Date	Done By	Description		
Change Filter			?	We recommend you service the filters on this component.		
Alert			?	We were unable to perform a particle count due to metal particles present in this sample.		

HISTORICAL DIAGNOSIS



25 Aug 2023 Diag: Don Baldridge

Resample at the next service interval to monitor.All component wear rates are normal. The water content is negligible. 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.



30 Jun 2023 Diag: Wes Davis



We advise that you perform a filter service, and use off-line filtration to improve the cleanliness of the system fluid. We recommend an early resample to monitor this condition. Please specify the brand, type, and viscosity of the oil on your next sample. All component wear rates are normal. There is a moderate amount of particulates (2 to 100 microns in size) present in the oil. The water content is negligible. The system cleanliness is above the acceptable limit for the target ISO 4406 cleanliness code. The AN level is acceptable for this fluid. The oil is still serviceable provided that the contaminant(s) can be reduced to acceptable levels.







Resample at the next service interval to monitor.All component wear rates are normal. The water content is negligible. 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.



view report

view report





OIL ANALYSIS REPORT

Area Extrusion Machine Id Press 4 Press Hydraulic Unit (S/N 27954) Component

Hydraulic System

AW HYDRAULIC OIL ISO 46 (2500 GAL)

DIAGNOSIS

Recommendation

We recommend you service the filters on this component. Resample at the next service interval to monitor. We were unable to perform a particle count due to metal particles present in this sample.

🔺 Wear

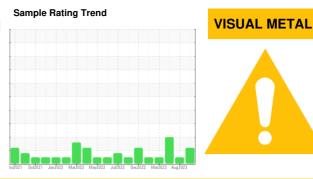
Moderate concentration of visible metal present. All component wear rates are normal.

Contamination

There is no indication of any contamination in the oil.

Fluid Condition

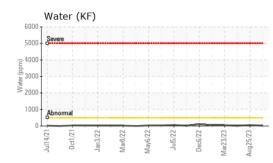
The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

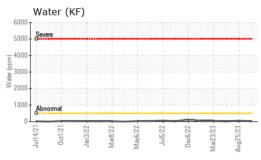


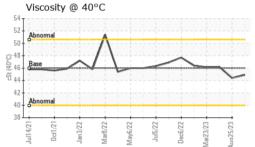
SAMPLE INFORM	ATION	method	limit/base	current	history1	history2
Sample Number		Client Info		RP0038259	RP0024727	RP0024732
Sample Date		Client Info		13 Oct 2023	25 Aug 2023	30 Jun 2023
Machine Age	hrs	Client Info		0	0	0
Oil Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		N/A	N/A	N/A
Sample Status				ABNORMAL	NORMAL	ABNORMAL
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>20	6	2	1
Chromium	ppm	ASTM D5185m	>20	0	0	0
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	<1	<1
Lead	ppm	ASTM D5185m	>20	0	<1	0
Copper	ppm	ASTM D5185m	>20	7	8	8
Tin	ppm	ASTM D5185m	>20	0	0	<1
Vanadium	ppm	ASTM D5185m		0	0	<1
Cadmium	ppm	ASTM D5185m		0	0	0
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	5	11	14	0
Barium	ppm	ASTM D5185m		0	2	<1
Molybdenum	ppm	ASTM D5185m	5	14	18	0
Manganese	ppm	ASTM D5185m		0	0	0
Magnesium	ppm	ASTM D5185m	25	25	29	2
Calcium	ppm	ASTM D5185m	200	115	134	27
Phosphorus	ppm	ASTM D5185m	300	340	335	335
Zinc	ppm	ASTM D5185m		393	421	382
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>15	2	<1	5
Sodium	ppm	ASTM D5185m		<1	0	1
Potassium	ppm	ASTM D5185m	>20	<1	3	<1
Water	%	ASTM D6304	>0.05	0.002	0.005	0.002
ppm Water	ppm	ASTM D6304	>500	22.6	51.7	18.8
FLUID CLEANLIN	IESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647	>5000		2185	🔺 21534
Particles >6µm		ASTM D7647	>1300		267	▲ 6522
Particles >14µm		ASTM D7647	>160		29	4 52
Particles >21µm		ASTM D7647	>40		11	1 02
Particles >38µm		ASTM D7647	>10		0	2
Particles >71µm		ASTM D7647	>3		0	0
Oil Cleanliness		ISO 4406 (c)	>19/17/14		18/15/12	▲ 22/20/16
FLUID DEGRADA	TION	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045	0.57	0.41	0.42	0.38



OIL ANALYSIS REPORT







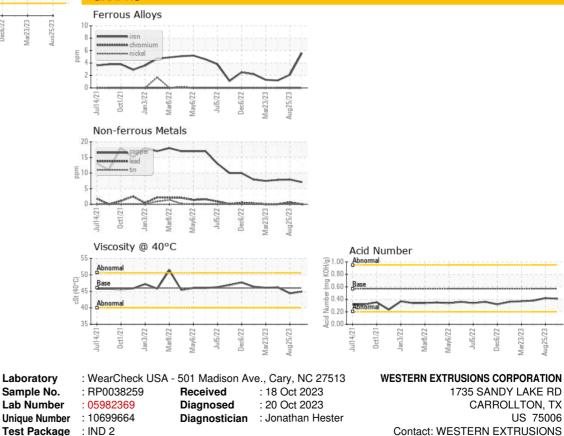
VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE		NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE	LIGHT
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	NONE
Appearance	scalar	*Visual	NORML	NORML	NORML	NORML
Odor	scalar	*Visual	NORML	NORML	NORML	NORML
Emulsified Water	scalar	*Visual	>0.05	NEG	NEG	NEG
Free Water	scalar	*Visual		NEG	NEG	NEG
FLUID PROPERT	method	limit/base	current	history1	history2	
I LOID I HOI LITT			iiiiii/basc	Current	This tory T	This tory 2
Visc @ 40°C	cSt	ASTM D445	46	44.9	44.4	46.2
SAMPLE IMAGES		method	limit/base	current	history1	history2

Color



Bottom





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)

Certificate L2367

Submitted By: WESTERN EXTRUSIONS

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