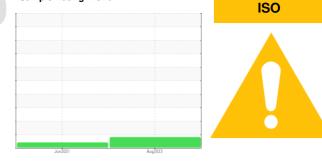


Sample Rating Trend

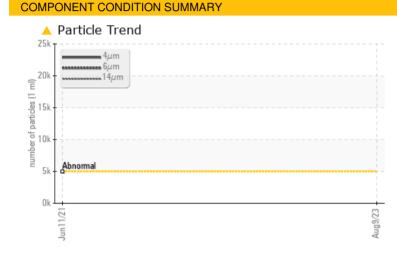


Hydraulic System

Area [16880] Machine Id 80-188 Component



CONOCOPHILLIPS POWERTRAN (--- GAL)



RECOMMENDATION

No corrective action is recommended at this time. Resample at the next service interval to monitor. (Customer Sample Comment: ConocoPhillips powertran oil)

PROBLEMATIC TEST RESULTS										
Sample Status			ABNORMAL	ABNORMAL						
Particles >4µm	ASTM D7647	>5000	<u> </u>							
Oil Cleanliness	ISO 4406 (c)	>19/17/14	A 22/16/11							

Customer Id: MANTUL Sample No.: WC0818680 Lab Number: 05928752 Test Package: CONST



To manage this report scan the QR code

To discuss the diagnosis or test data: Don Baldridge +1 <u>don.b505@comcast.net</u>

To change component or sample information: Customer Service +1 1-800-237-1369 customerservice@wearcheck.com There are no recommended actions for this sample.

HISTORICAL DIAGNOSIS

11 Jun 2021 Diag: Don Baldridge

VIS DEBRIS



No corrective action is recommended at this time. Oil and filter change at the time of sampling has been noted. Resample at the next service interval to monitor. We were unable to perform a particle count due to a high concentration of particles present in this sample.All component wear rates are normal. Moderate concentration of visible dirt/debris present in the oil. The AN level is acceptable for this fluid. The condition of the oil is acceptable for the time in service.





OIL ANALYSIS REPORT

Sample Rating Trend





Hydraulic System Fluid CONOCOPHILLIPS POWERTRAN (--- GAL)

DIAGNOSIS

Area [16880] Machine Id 80-188 Component

Recommendation

No corrective action is recommended at this time. Resample at the next service interval to monitor. (Customer Sample Comment: ConocoPhillips powertran oil)

Wear

All component wear rates are normal.

Contamination

There is a high 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.

SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		WC0818680	WC0548749	
Sample Date		Client Info		09 Aug 2023	11 Jun 2021	
Machine Age	hrs	Client Info		4842	6035	
Oil Age	hrs	Client Info		807	2000	
Oil Changed		Client Info		Not Changd	Changed	
Sample Status				ABNORMAL	ABNORMAL	
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>20	4	6	
Chromium	ppm	ASTM D5185m		0	<1	
Nickel	ppm	ASTM D5185m	>10	0	0	
Titanium	ppm	ASTM D5185m	>10	<1	<1	
Silver	ppm	ASTM D5185m		0	<1	
Aluminum		ASTM D5185m	<10 <10	2	0	
Lead	ppm	ASTM D5185m	>10	0	0	
	ppm	ASTM D5185m		2	4	
Copper Tin	ppm	ASTM D5185m	>75	0	4	
	ppm	ASTM D5185m	×10		0	
Antimony Vanadium	ppm	ASTM D5185m		0	0	
	ppm			4	÷	
Cadmium	ppm	ASTM D5185m		4	10	
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		82	129	
Barium	ppm	ASTM D5185m		0	0	
Molybdenum	ppm	ASTM D5185m		<1	<1	
Manganese	ppm	ASTM D5185m		0	<1	
Magnesium	ppm	ASTM D5185m		13	21	
Calcium	ppm	ASTM D5185m		2258	3455	
Phosphorus	ppm	ASTM D5185m		838	1115	
Zinc	ppm	ASTM D5185m		1006	1335	
Sulfur	ppm	ASTM D5185m		4120	3347	
CONTAMINANTS	6	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>20	14	17	
Sodium	ppm	ASTM D5185m		<1	2	
Potassium	ppm	ASTM D5185m	>20	<1	1	
FLUID CLEANLIN	NESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647	>5000	<u> </u>		
Particles >6µm		ASTM D7647	>1300	379		
Particles >14µm		ASTM D7647	>160	11		
Particles >21µm		ASTM D7647	>40	3		
Particles >38µm		ASTM D7647	>10	0		
Particles >71µm		ASTM D7647	>3	0		
Oil Cleanliness		ISO 4406 (c)	>19/17/14	A 22/16/11		
FLUID DEGRADA	ATION	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045		0.91	0.932	
	с 0					



Acid Number

@0. 20.6

Ê 0.4

Acid

0.0

54

52

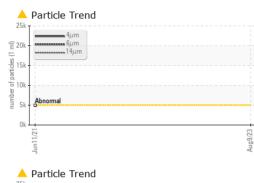
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42

40 Abnorm 38 Jun 11

OIL ANALYSIS REPORT







GRAPHS

