

PROBLEM SUMMARY

Area [199042] Machine Id PBK G1 GOV

Component Governor System Fluid MOBIL DTE OIL HVY MEDIUM (409 LTR)

COMPONENT CONDITION SUMMARY







RECOMMENDATION

Confirm the source of the lubricant being utilized for top-up/fill. Resample at the next service interval to monitor. The fluid was specified as MOBIL DTE OIL HVY MEDIUM, however, a fluid match indicates that this fluid is ISO 32 R&O Hydraulic Oil. Please confirm the oil type and grade on your next sample.

PROBLEMATIC TEST RESULTS

Sample Status				ABNORMAL	ABNORMAL	ABNORMAL
Visc @ 40°C	cSt	ASTM D7279(m)	65.1	A 37.6	A 36.5	<mark>▲</mark> 36.8

Customer Id: NEWSTJ Sample No.: WC0455766 Lab Number: 02563213 Test Package: IND 2



To manage this report scan the QR code

To discuss the diagnosis or test data: Kevin Marson +1 (289)291-4644 x4644 Kevin.Marson@wearcheck.com

To change component or sample information: Gloria Gonzalez +1 (289)291-4643 x4643 gloria.gonzalez@wearcheck.com

RECOMMENDED A	RECOMMENDED ACTIONS							
Action	Status	Date	Done By	Description				
Alert			?	The fluid was specified as MOBIL DTE OIL HVY MEDIUM, however, a fluid match indicates that this fluid is ISO 32 R&O Hydraulic Oil. Please confirm the oil type and grade on your next sample.				
Check Fluid Source			?	Confirm the source of the lubricant being utilized for top-up/fill.				

HISTORICAL DIAGNOSIS



12 May 2020 Diag: Bill Quesnel

Resample at the next service interval to monitor.All component wear rates are normal. The system cleanliness is acceptable for your target ISO 4406 cleanliness code. The system and fluid cleanliness is acceptable. Viscosity of sample indicates oil is within ISO 32 range, advise investigate. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

15 Nov 2019 Diag: Kevin Marson

We recommend you service the filters on this component. We recommend an early resample to monitor this condition.All component wear rates are normal. Particles >4µm are abnormally high. Particles >6µm are abnormally high. Particles >14µm are notably high. Particles >21µm are notably high. Viscosity of sample indicates oil is within ISO 32 range, advise investigate. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

09 Apr 2019 Diag: Kevin Marson

VISCOSITY



Resample at the next service interval to monitor.All component wear rates are normal. The system cleanliness is acceptable for your target ISO 4406 cleanliness code. The system and fluid cleanliness is acceptable. Viscosity of sample indicates oil is within ISO 32 range, advise investigate. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.



view report







PBK G1 GOV

MOBIL DTE OIL HVY MEDIUM (409 LTR)

Confirm the source of the lubricant being utilized for

monitor. The fluid was specified as MOBIL DTE OIL

top-up/fill. Resample at the next service interval to

that this fluid is ISO 32 R&O Hydraulic Oil. Please

confirm the oil type and grade on your next sample.

The system cleanliness is acceptable for your target

ISO 4406 cleanliness code. The system and fluid

Viscosity of sample indicates oil is within ISO 32

range, advise investigate. This plus the additive

levels indicates that this is not the same brand, or

type of oil as reported. The AN level is acceptable

for this fluid. The condition of the oil is suitable for

HVY MEDIUM, however, a fluid match indicates

All component wear rates are normal.

Governor System

Area [199042]

DIAGNOSIS

Recommendation

Component

Wear

Contamination

cleanliness is acceptable.

Fluid Condition

further service.

OIL ANALYSIS REPORT

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VISCOSITY

history2

WC0316956

ABNORMAL

history2

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0

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0

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history1

history1

1

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0

<1

0

0

.....



Cadmium	ppm	ASTM D5185(m)		0	0	0
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185(m)		<1	<1	<1
Barium	ppm	ASTM D5185(m)		0	0	<1
Molybdenum	ppm	ASTM D5185(m)		0	0	0
Manganese	ppm	ASTM D5185(m)		0	0	0
Magnesium	ppm	ASTM D5185(m)		1	1	2
Calcium	ppm	ASTM D5185(m)		0	<1	<1
Phosphorus	ppm	ASTM D5185(m)		14	7	7
Zinc	ppm	ASTM D5185(m)		7	4	4
Sulfur	ppm	ASTM D5185(m)		2028	2070	1996
Lithium	ppm	ASTM D5185(m)		<1	<1	<1

CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185(m)	>8	<1	0	0
Sodium	ppm	ASTM D5185(m)		0	0	0
Potassium	maa	ASTM D5185(m)	>20	<1	0	0

FLUID CLEANLINESS	method	limit/base	current	history1	history2
Particles >4µm	ASTM D7647	>20000	2649	10179	▲ 81399
Particles >6µm	ASTM D7647	>5000	297	1413	A 23961
Particles >14µm	ASTM D7647	>640	6	55	9 77
Particles >21µm	ASTM D7647	>160	2	15	4 240
Particles >38µm	ASTM D7647	>40	0	0	14
Particles >71µm	ASTM D7647	>10	0	0	2
Oil Cleanliness	ISO 4406 (c)	>21/19/16	19/15/10	21/18/13	▲ 24/22/17
FLUID DEGRADATION	method	limit/base	current	history1	history2

Acid Number (AN)

mg KOH/g ASTM D974*

0.04 0.02

0.030 Submitted By: Paul Martin

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OIL ANALYSIS REPORT







80

60

40 à

20

01

100

80

6

20

bpm

VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	Visual*	NONE	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	VLITE
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*	>0.1	NEG	NEG	NEG
Free Water	scalar	Visual*		NEG	NEG	NEG
FLUID PROPERT	IES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D7279(m)	65.1	A 37.6	▲ 36.5	▲ 36.8
SAMPLE IMAGES	;	method	limit/base	current	history1	history2
Color						

Bottom





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