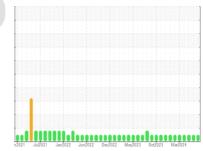


OIL ANALYSIS REPORT

Nashville [Nashville] Oil - Port Genset

Port Genset

MOBIL 15W40 (6 GAL)



Sample Rating Trend



Recommendation

Resample at the next service interval to monitor.

All component wear rates are normal.

Contamination

There is no indication of any contamination in the

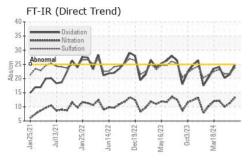
Fluid Condition

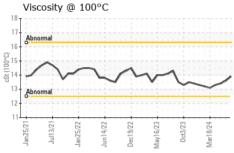
The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.

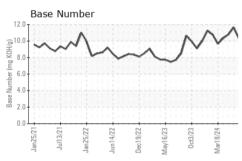
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		WC0683383	WC0683378	WC0769321
Sample Date		Client Info		06 Jul 2024	09 Jun 2024	13 May 2024
Machine Age	hrs	Client Info		12567	12141	11806
Oil Age	hrs	Client Info		907	482	146
Oil Changed		Client Info		Not Changd	Not Changd	Not Changd
Sample Status				NORMAL	NORMAL	NORMAL
CONTAMINATION	٧	method	limit/base	current	history1	history2
Fuel		WC Method	>4.0	<1.0	<1.0	<1.0
Water		WC Method	>0.1	NEG	NEG	NEG
Glycol		WC Method		NEG	NEG	NEG
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>50	26	16	15
Chromium	ppm	ASTM D5185m	>4	<1	<1	<1
Nickel	ppm	ASTM D5185m	>2	0	<1	<1
Titanium	ppm	ASTM D5185m		0	0	<1
Silver	ppm	ASTM D5185m	>5	0	0	<1
Aluminum	ppm	ASTM D5185m	>12	<1	2	2
Lead	ppm	ASTM D5185m	>17	0	<1	2
Copper	ppm	ASTM D5185m	>70	<1	1	3
Tin	ppm	ASTM D5185m	>15	0	0	<1
Vanadium	ppm	ASTM D5185m		0	0	<1
Cadmium	ppm	ASTM D5185m		0	0	<1
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		36	37	46
Barium	ppm	ASTM D5185m		0	0	<1
Molybdenum	ppm	ASTM D5185m		51	46	50
Manganese	ppm	ASTM D5185m		<1	<1	<1
Magnesium	ppm	ASTM D5185m		1210	1064	1069
Calcium	ppm	ASTM D5185m		1685	1484	1430
Phosphorus	ppm	ASTM D5185m		1102	1013	1003
Zinc	ppm	ASTM D5185m		1362	1262	1228
Sulfur	ppm	ASTM D5185m		3839	3701	3235
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	3	3	3
Sodium	ppm	ASTM D5185m	>118	3	3	2
Potassium	ppm	ASTM D5185m	>20	2	4	4
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844		0.4	0.3	0.3
Nitration	Abs/cm	*ASTM D7624	>20	13.3	11.3	10.0
Sulfation	Abs/.1mm	*ASTM D7415	>30	23.8	21.7	21.6
FLUID DEGRADA	TION	method	limit/base	current	history1	history2
Oxidation	Abs/.1mm	*ASTM D7414	>25	24.7	21.4	20.2



OIL ANALYSIS REPORT



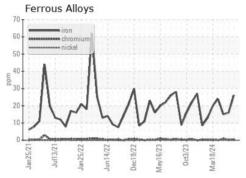


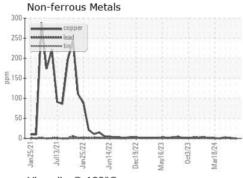


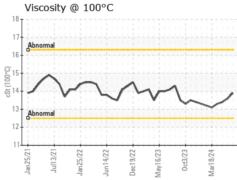
VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE	NONE
Sand/Dirt	scalar	*Visual	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

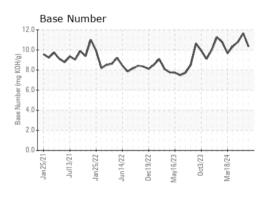
FLUID PROPER	HES	method		history1	history2
Visc @ 100°C	cSt	ASTM D445	13.9	13.6	13.4

GRAPHS













Certificate 12367

Laboratory Sample No.

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 : WC0683383 Lab Number : 06236252 Unique Number : 11125086 Test Package : IND 2

To discuss this sample report, contact Customer Service at 1-800-237-1369.

Received **Tested** Diagnosed

: 15 Jul 2024 : 16 Jul 2024

: 16 Jul 2024 - Sean Felton

US 41169 Contact: CORY GUMBERT cagumbert@marathonpetroleum.com

MARATHON PETROLEUM CO.

* - 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)

F: x:

101 12TH ST

CATLETTSBURG, KY

T: (606)585-3950