

OIL ANALYSIS REPORT

Machine Id DUTCHESS COUNTY BOWDOIN PARK 3001457227

Diesel Engine

DIESEL ENGINE OIL SAE 5W30 (2 GAL)

DIAGNOSIS

Recommendation

Resample at the next service interval to monitor.

Wear

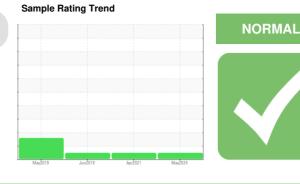
All component wear rates are normal.

Contamination

There is no indication of any contamination in the oil.

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	1ATION	method	limit/base	current	history1	history2
Sample Number		Client Info		WC0921621	WC0539565	WC0349492
Sample Date		Client Info		20 May 2024	30 Apr 2021	12 Jun 2019
Machine Age	hrs	Client Info		0	56	813
Oil Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		N/A	Changed	Changed
Sample Status				NORMAL	NORMAL	NORMAL
CONTAMINATION	١	method	limit/base	current	history1	history2
Fuel		WC Method	>5	<1.0	<1.0	<1.0
Water		WC Method	>0.2	NEG	NEG	NEG
Glycol		WC Method		NEG	NEG	NEG
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>100	7	7	1
Chromium	ppm	ASTM D5185m	>20	<1	<1	0
Nickel	ppm	ASTM D5185m	>4	0	0	<1
Titanium	ppm	ASTM D5185m		<1	0	<1
Silver	ppm	ASTM D5185m	>3	<1	0	0
Aluminum	ppm	ASTM D5185m	>20	2	0	<1
Lead	ppm	ASTM D5185m	>40	<1	<1	2
Copper	ppm	ASTM D5185m	>330	3	5	<1
Tin	ppm	ASTM D5185m	>15	<1	<1	<1
Antimony	ppm	ASTM D5185m			0	0
Vanadium	ppm	ASTM D5185m		<1	0	0
Cadmium	ppm	ASTM D5185m		1	0	0
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	250	225	212	6
Barium	ppm	ASTM D5185m	10	0	1	0
Molybdenum	ppm	ASTM D5185m	100	73	73	50
Manganese	ppm	ASTM D5185m		<1	2	2
Magnesium	ppm	ASTM D5185m	450	518	540	768
Calcium	ppm	ASTM D5185m	3000	1218	1293	1126
Phosphorus	ppm	ASTM D5185m	1150	816	714	823
Zinc	ppm	ASTM D5185m	1350	849	782	997
Sulfur	ppm	ASTM D5185m	4250	3305	2490	2442
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	5	3	2
Sodium	ppm	ASTM D5185m		3	7	14
Potassium	ppm	ASTM D5185m	>20	3	5	0
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844	>3	0.3	0	0.1
Nitration	Abs/cm	*ASTM D7624	>20	8.5	6.9	4.6
Sulfation	Abs/.1mm	*ASTM D7415	>30	22.6	16.3	17
FLUID DEGRADA	TION	method	limit/base	current	history1	history2
Oxidation	Abs/.1mm	*ASTM D7414	>25	21.3	10.6	12.6
Base Number (BN)	mg KOH/g	ASTM D2896	8.5	8.4		
				Contract/l aca	tion: IOE SAVE	

Contact/Location: JOE SAYEGH - GENNEW



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May10/19

OIL ANALYSIS REPORT

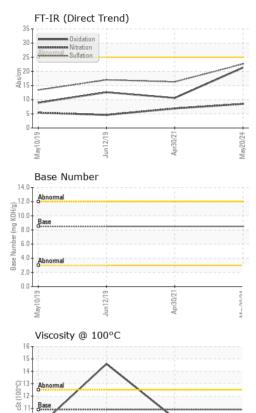
Test Package : MOB 1 (Additional Tests: TBN)

* - Denotes test methods that are outside of the ISO 17025 scope of accreditation.

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

Diagnosed

: 22 May 2024 - Wes Davis



Apr30/21.

Jun12/19

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	>0.2	NEG	NEG	NEG
Free Water	scalar	*Visual		NEG	NEG	NEG
FLUID PROPERT	IES	method	limit/base	current	history1	history2
Visc @ 100°C	cSt	ASTM D445	10.9	10.1	10.2	14.6
GRAPHS						
Iron (ppm)			100	Lead (ppm)		
250 200 Severe			100	Severe	1	1 1 1
150			60			
Abnormal			E 40	Abusenet		
50 -			20			
0			0			-
May10/19 Jun12/19		Apr30/21	May20/24	May10/19	Jun12/19	120/71
May		Apr	May	May	unp	nd H
Aluminum (ppm)			50	Chromium (p	opm)	
40 Severe		1	40	Severe		1
10 - 4						1
a 20 - Abnormal		1	E 20	Abnormal		
10-			10			
			0			
		Apr30/21-			- e1/21nul	Aprsu/21-
May10/19 Jun12/19		Apri	May20/24	May10/19	1nul	Apr
Copper (ppm)				Silicon (ppm))	
400 Severe			80	Severe	1	1
300			60			
틀 200			틆 40	-		
100-			20	Abnormal		1
0 6L/0		0/21-	0/24		- 61/2	Aprsu/21
May10/19 Jun12/19		Apr30/21	May20/24	May10/19	Jun 12/19	Aprsu/z1
Viscosity @ 100°C			15.0	Base Numbe		
16			Abnormal			
P ¹⁴ Abnormal			0.0 mg KOH/g)	Rase		1
Abnormal Base			ber (rr	Base		
73 10 Monormal				Abnormal		
8		1	²⁸	-		
May10/19		Apr30/21-	May20/24 +	May10/19	- 01/2/1mJ	Aprsu/z1
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IDSOR, NY US 12553 Contact: JOE SAYEGH joe@gentechltd.com T: (845)568-0500 F: (845)568-3073

Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012) Report Id: GENNEW [WUSCAR] 06185559 (Generated: 05/22/2024 05:54:58) Rev: 1

Certificate 12367

Unique Number : 11036885

Contact/Location: JOE SAYEGH - GENNEW

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