

OIL ANALYSIS REPORT

Sample Rating Trend



Machine Id **3084** Component **Diesel Engine** Fluid **AMERIGUARD 10W30 (--- GAL)**

DIAGNOSIS

Recommendation

Resample at the next service interval to monitor. Please specify the component make and model with your next sample.

Wear

All component wear rates are normal.

Contamination

There is no indication of any contamination in the oil.

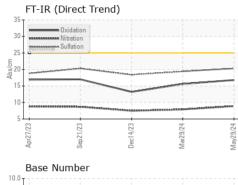
Fluid Condition

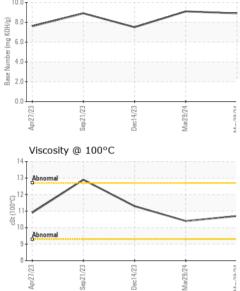
The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.

SAMPLE INFORM	1ATION	method	limit/base	current	history1	history2
Sample Number		Client Info		SBP0007022	SBP0006570	SBP0005987
Sample Date		Client Info		29 May 2024	29 Mar 2024	14 Dec 2023
Machine Age	mls	Client Info		94462	83162	75123
Oil Age	mls	Client Info		11300	8039	16320
Oil Changed		Client Info		Changed	Changed	Changed
Sample Status				NORMAL	NORMAL	ATTENTION
CONTAMINATION	١	method	limit/base	current	history1	history2
Fuel		WC Method	>5	<1.0	<1.0	0.0
Water		WC Method		NEG	NEG	NEG
Glycol		WC Method		NEG	NEG	NEG
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>100	15	14	8
Chromium	ppm	ASTM D5185m	>20	<1	1	<1
Nickel		ASTM D5185m	>4	0	<1	0
Titanium	ppm ppm	ASTM D5185m	~7	0	1	0
Silver		ASTM D5185m	>3	0	0	0
Aluminum	ppm ppm	ASTM D5185m	>20	4	4	2
Lead		ASTM D5185m	>20	4	<1	0
Copper	ppm ppm	ASTM D5185m	>330	1	2	<1
Tin		ASTM D5185m	>330	0	<1	<1
Vanadium	ppm ppm	ASTM D5185m	>15	0	<1	<1
Cadmium		ASTM D5185m		0	<1	<1
	ppm					
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		8	4	37
Barium	ppm	ASTM D5185m		0	0	0
Molybdenum	ppm	ASTM D5185m		55	62	27
Manganese	ppm	ASTM D5185m		<1	<1	0
Magnesium	ppm	ASTM D5185m		965	912	316
Calcium	ppm	ASTM D5185m		1142	1219	1879
Phosphorus	ppm	ASTM D5185m		1037	1017	1024
Zinc	ppm	ASTM D5185m		1263	1269	1172
Sulfur	ppm	ASTM D5185m		3617	3138	3642
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	4	5	4
Sodium	ppm	ASTM D5185m		2	1	2
Potassium	ppm	ASTM D5185m	>20	3	3	3
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844	>3	0.4	0.3	0.3
Nitration	Abs/cm	*ASTM D7624	>20	8.9	7.9	7.5
Sulfation	Abs/.1mm	*ASTM D7415	>30	20.3	19.4	18.4
FLUID DEGRADA	TION	method	limit/base	current	history1	history2
Oxidation	Abs/.1mm	*ASTM D7414	>25	16.8	15.6	13.2
Base Number (BN)	mg KOH/g	ASTM D2896		8.9	9.1	7.5

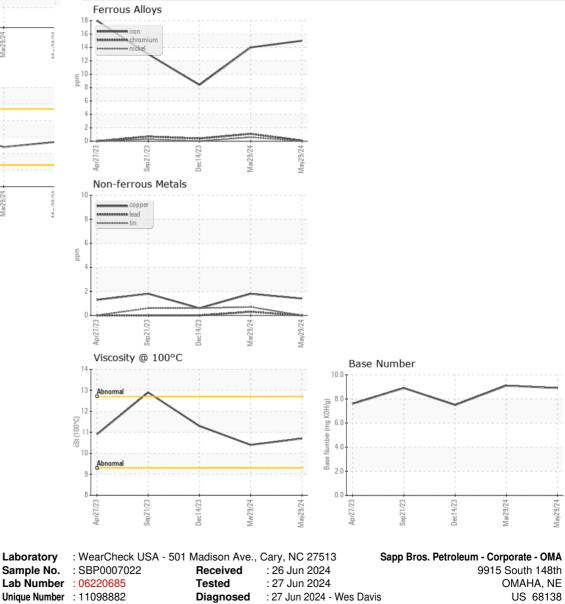


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VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*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		10.7	10.4	11.3
GRAPHS						





 Certificate 12367
 Test Package
 : FLEET

 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)

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