

Machine Id 82D-238 - SEAL OIL TANK Component Tank Gearbox

FLOWSERVE DuraClear 32 (--- GAL)

RECOMMENDATION	Test	UOM	Method	Limit/Abn	Current	History1	History2
Resample at the next service interval to monitor.	Sample Number		Client Info		HPL0004550	HPL0004515	
	Sample Date		Client Info		13 Mar 2024	15 Feb 2024	11 Jan 2024
	Machine Age	hrs	Client Info		0	0	0
	Oil Age	hrs	Client Info		0	0	0
	Filter Age	hrs	Client Info		0	0	0
	Oil Changed		Client Info		N/A	N/A	N/A
	Filter Changed		Client Info		N/A	N/A	N/A
	Sample Status				NORMAL	NORMAL	NORMAL
WEAR All component wear rates are normal.	Iron	ppm	ASTM D5185m	>200	0	0	0
	Chromium	ppm	ASTM D5185m	>15	0	0	<1
	Nickel	ppm	ASTM D5185m	>15	0	<1	0
	Titanium	ppm	ASTM D5185m		0	0	<1
	Silver	ppm	ASTM D5185m		0	0	0
	Aluminum	ppm	ASTM D5185m	>25	0	0	2
	Lead	ppm	ASTM D5185m	>100	0	0	<1
	Copper	ppm	ASTM D5185m	>200	0	0	0
	Tin	ppm	ASTM D5185m	>25	<1	<1	0
	Vanadium	ppm	ASTM D5185m		0	0	0
	White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
	Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
CONTAMINATION	Silicon	ppm	ASTM D5185m	>50	<1	0	<1
	Potassium	ppm	ASTM D5185m		1	0	<1
There is no indication of any contamination in the oil. The amount and size of particulates present in the system are acceptable.	Water	le le	WC Method		NEG	NEG	NEG
	Particles >4µm		ASTM D7647		10970	1508	590
	Particles >6µm		ASTM D7647		3058	231	153
	Particles >14µm		ASTM D7647	>640	283	14	41
	Particles >21µm		ASTM D7647	>160	122	4	17
	Particles >38µm		ASTM D7647	>40	18	0	1
	Particles >71µm		ASTM D7647	>10	2	0	0
	Oil Cleanliness		ISO 4406 (c)	>21/19/16	21/19/15	18/15/11	16/14/1
	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	NORM
	Odor	scalar	*Visual	NORML	NORML	NORML	NORM
	Emulsified Water	scalar	*Visual	>0.2	NEG	NEG	NEG
FLUID CONDITION	Sodium	ppm	ASTM D5185m		1	<1	0
	Boron	ppm	ASTM D5185m		0	0	0
The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.	Barium	ppm	ASTM D5185m		0	0	<1
	Molybdenum	ppm	ASTM D5185m		0	0	0
	Manganese	ppm	ASTM D5185m		0	0	0
	Magnesium	ppm	ASTM D5185m		<1	0	<1
	Calcium	ppm	ASTM D5185m		0	0	0
	Phosphorus	ppm	ASTM D5185m		3	0	29
	Zinc	ppm	ASTM D5185m		0	0	0
	Sulfur	ppm	ASTM D5185m		121	62	49

Acid Number (AN) mg KOH/g ASTM D8045

Visc @ 40°C cSt ASTM D445

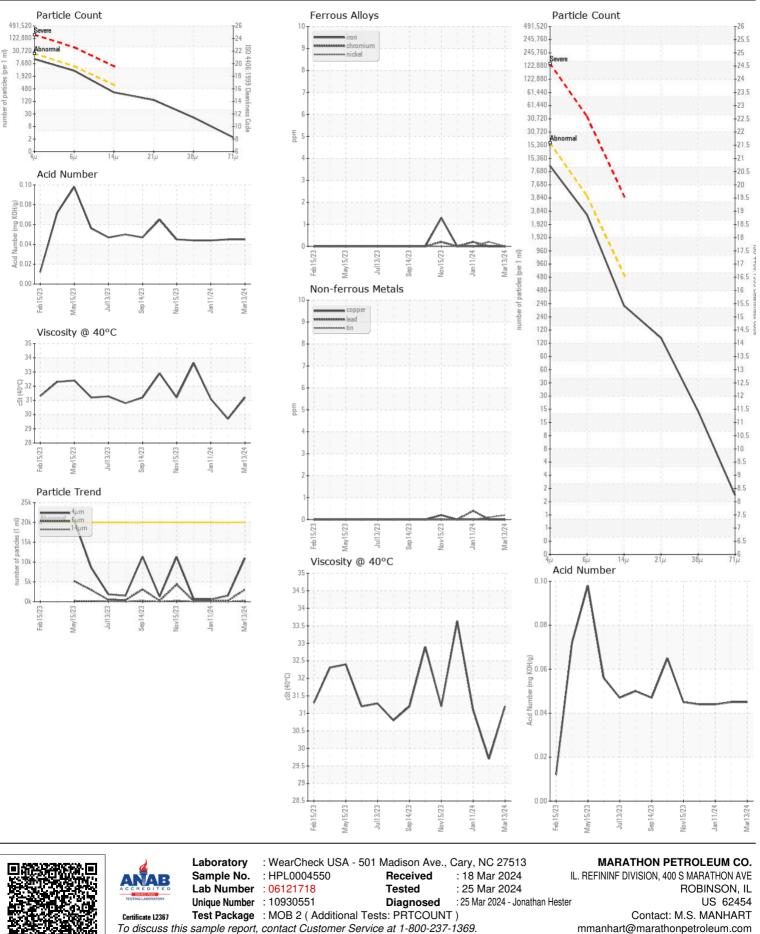
0.045

0.045

31.2

0.044

29.7 31.1



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

 * - 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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