

#### Area THOMAS BENEDETTI [AJD/502644] Machine Id VOLVO PENTA 3020310223 - STERNDRIVE

#### Component Starboard Gearbox

# GEAR OIL SAE 75W90 (--- QTS)

RECOMMENDATION
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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 condition of the oil is acceptable for the time in service.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		VPA060469	VPA043138	
Sample Date		Client Info		21 Feb 2024	24 Apr 2023	
Machine Age	hrs	Client Info		1564	1445	
Oil Age	hrs	Client Info		0	0	
Filter Age	hrs	Client Info		0	0	
Oil Changed		Client Info		N/A	N/A	
Filter Changed		Client Info		N/A	N/A	
Sample Status				NORMAL	NORMAL	
PQ		ASTM D8184		14	12	
Iron	ppm	ASTM D5185m	>150	12	8	
Chromium	ppm	ASTM D5185m	>10	<1	<1	
Nickel	ppm	ASTM D5185m	>10	<1	<1	
Titanium	ppm	ASTM D5185m	210	0	0	
Silver	ppm	ASTM D5185m		<1	0	
Aluminum	ppm	ASTM D5185m	>5	<1	<1	
Lead	ppm	ASTM D5185m	>65	0	0	
Copper	ppm	ASTM D5185m	>80	ہ <1	<1	
Tin	ppm	ASTM D5185m	>8	0	0	
Vanadium	ppm	ASTM D5185m	20	0	0	
White Metal	scalar	*Visual	NONE	NONE	NONE	
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	
Silicon	ppm	ASTM D5185m	>20	2	5	
Potassium	ppm	ASTM D5185m	>20	0	0	
Water		WC Method	>0.2	NEG	NEG	
Silt	scalar	*Visual	NONE	NONE	NONE	
Debris	scalar	*Visual	NONE	NONE	NONE	
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	
Appearance	scalar	*Visual	NORML	NORML	NORML	
Odor	scalar	*Visual	NORML	NORML	NORML	
Emulsified Water	scalar	*Visual	>0.2	NEG	NEG	
Sodium	ppm	ASTM D5185m		5	7	
Boron	ppm	ASTM D5185m	400	315	323	
Barium	ppm	ASTM D5185m	200	0	0	
Molybdenum	ppm	ASTM D5185m	12	0	0	
Manganese	ppm	ASTM D5185m		1	2	
Magnesium	ppm	ASTM D5185m	12	2	7	
Calcium	ppm	ASTM D5185m	150	1	1	
Phosphorus	ppm	ASTM D5185m	1650	1418	1311	
Zinc	ppm	ASTM D5185m	125	4	7	
Sulfur	ppm	ASTM D5185m	22500	23611	27076	
Visc @ 40°C	cSt	ASTM D445	109	105	103	

Contact/Location: WILLOW YANARELLA - VP794951





