

## **OIL ANALYSIS REPORT**

# Sample Rating Trend



# VOLVO VNG SA1ED

Component

**Diesel Engine** 

{not provided} (--- GAL)

### **DIAGNOSIS**

### Recommendation

We advise that you check the fuel injection system. We recommend that you drain the oil from the component if this has not already been done. We recommend an early resample to monitor this condition. Please specify the brand, type, and viscosity of the oil on your next sample.

### Wear

All component wear rates are normal.

### Contamination

There is a high amount of fuel present in the oil. Tests confirm the presence of fuel in the oil.

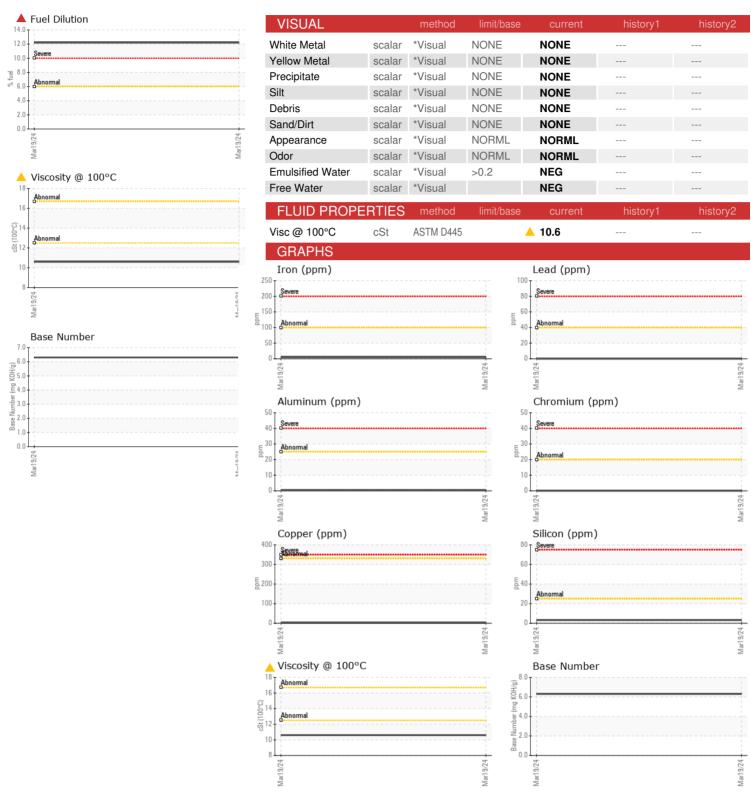
### ▲ Fluid Condition

The BN result indicates that there is suitable alkalinity remaining in the oil. Fuel is present in the oil and is lowering the viscosity. The oil is no longer serviceable due to the presence of contaminants.

Contamped   Client Info   Severe   Contamped   Client Info   Severe   Contamped   Client Info   Severe   Contamped   Contam					Mar2024		
Sample Date   Client Info   19 Mar 2024	SAMPLE INFOR	MATION	method	limit/base	current	history1	history2
Sample Date     Client Info   591000         Machine Age   mils   Client Info   59000         Oil Age   mils   Client Info   3000         Oil Changed   Client Info   N/A         Sample Status   SEVERE         CONTAMINATION   method   limit/base   current   history1   history2     Water   WC Method   NEG         WEAR METALS   method   limit/base   current   history1   history2     WEAR METALS   method   limit/base   current   history1   history2     Iron   ppm   ASTM D5185m   >20   0         Chromium   ppm   ASTM D5185m   >20   0         Chromium   ppm   ASTM D5185m   >20   0         Silver   ppm   ASTM D5185m   >20   0         Aluminum   ppm   ASTM D5185m   >25   <1         ASTM D5185m   >40   0         Copper   ppm   ASTM D5185m   >40   0         Tin   ppm   ASTM D5185m   >15   0         Vanadium   ppm   ASTM D5185m   >15   0         Vanadium   ppm   ASTM D5185m   >15   0         ADDITIVES   method   limit/base   current   history1   history2     Barum   ppm   ASTM D5185m   0         ADDITIVES   method   limit/base   current   history1   history2     ASTM D5185m   908           ASTM D5185m   908           ASTM D5185m   908           ASTM D5185m   908           Contamination   ppm   ASTM D5185m   908         ASTM D5185m   >25   3           ASTM D5185m   908           ASTM D5185m   908           Contamination   ppm   ASTM D5185m   908         ASTM D5185m   908           Phosphorus   ppm   ASTM D5185m   >25   3         ASTM D5185m   >25   3           Contamination   ppm   ASTM D5185m   908         Phosphorus   ppm   ASTM D5185m   20   0         Phosphorus   ppm   ASTM D5185m   >25   3         Phosphorus   ppm   ASTM D5185m   >25   3         Phosphorus   ppm   ASTM D5185m   >20   0         Potassium   ppm   A	Sample Number		Client Info		PCA0100581		
Machine Age         mls         Client Info         3000             Oil Age         mls         Client Info         3000             Oil Changed         Client Info         N/A             Sample Status         SEVERE             CONTAMINATION         method         limit/base         current         history1         history2           Water         WC Method         >0.2         NEG             Glycol         WC Method         >0.2         NEG             Iron         ppm         ASTM 05185m         >100         5             Cromonium         ppm         ASTM 05185m         >2         0             Nikokel         ppm         ASTM 05185m         >2         0             Aluminum         ppm         ASTM 05185m         >2         0             Lead         ppm         ASTM 05185m         >2         0             Aluminum         ppm         ASTM 05185m         >30			Client Info		19 Mar 2024		
Oil Age         mls         Client Info         3000             Oil Changed         Client Info         N/A             Sample Status         Client Info         N/A             CONTAMINATION         method         limit/base         current         history1         history2           Water         WC Method         NEG             WEAR METALS         method         limit/base         current         history1         history2           Iron         ppm         ASTM D5185m         >20         0             WEAR METALS         method         limit/base         current         history1         history2           Iron         ppm         ASTM D5185m         >20         0             Chyanger         ppm		mls	Client Info		591000		
Cilichanged   Cilicht Info   SEVERE	Oil Age	mls	Client Info		3000		
CONTAMINATION   method   limit/base   current   history1   history2	Oil Changed		Client Info		N/A		
Water         WC Method         >0.2         NEG             WEAR METALS         method         limit/base         current         history1         history2           Iron         ppm         ASTM D5185m         >100         5             Chromium         ppm         ASTM D5185m         >20         0             Nickel         ppm         ASTM D5185m         >2         0             Titanium         ppm         ASTM D5185m         >2         0             Silver         ppm         ASTM D5185m         >2         0             Aluminum         ppm         ASTM D5185m         >40         0             Silver         ppm         ASTM D5185m         >40         0             Copper         ppm         ASTM D5185m         >330         2             Tin         ppm         ASTM D5185m         0             Capper         ppm         ASTM D5185m         0	Sample Status				SEVERE		
WEAR METALS	CONTAMINAT	ION	method	limit/base	current	history1	history2
WEAR METALS	Water		WC Method	>0.2	NEG		
Tron	Glycol		WC Method		NEG		
Chromium         ppm         ASTM D5185m         >20         0             Nickel         ppm         ASTM D5185m         >2         0             Titanium         ppm         ASTM D5185m         >2         0             Silver         ppm         ASTM D5185m         >2         0             Aluminum         ppm         ASTM D5185m         >2         1             Lead         ppm         ASTM D5185m         >40         0             Copper         ppm         ASTM D5185m         >40         0             Vanadium         ppm         ASTM D5185m         0             Vanadium         ppm         ASTM D5185m         0             Cadmium         ppm         ASTM D5185m         0             ADDTIVES         method         limit/base         current         history1         history2           Boron         ppm         ASTM D5185m         0             Bar	WEAR METAL	S	method	limit/base	current	history1	history2
Nickel	Iron	ppm	ASTM D5185m	>100	5		
Titanium	Chromium	ppm	ASTM D5185m	>20	0		
Silver	Nickel	ppm	ASTM D5185m	>2	0		
Aluminum	Titanium	ppm	ASTM D5185m		0		
Lead         ppm         ASTM D5185m         >40         0             Copper         ppm         ASTM D5185m         >330         2             Tin         ppm         ASTM D5185m         >15         0             Vanadium         ppm         ASTM D5185m         0             Cadmium         ppm         ASTM D5185m         0             ADDITIVES         method         limit/base         current         history1         history2           Boron         ppm         ASTM D5185m         0             Barium         ppm         ASTM D5185m         0             Molybdenum         ppm         ASTM D5185m         0              Magnesium         ppm         ASTM D5185m         822	Silver	ppm	ASTM D5185m	>2	0		
Copper         ppm         ASTM D5185m         >330         2             Tin         ppm         ASTM D5185m         >15         0             Vanadium         ppm         ASTM D5185m         0             Cadmium         ppm         ASTM D5185m         0             ADDITIVES         method         limit/base         current         history1         history2           Boron         ppm         ASTM D5185m         0             Barium         ppm         ASTM D5185m         0             Molybdenum         ppm         ASTM D5185m         0             Manganese         ppm         ASTM D5185m         0             Manganesium         ppm         ASTM D5185m         822             Calcium         ppm         ASTM D5185m         908             Phosphorus         ppm         ASTM D5185m         908             Zinc         ppm         ASTM D5185m         3117	Aluminum	ppm	ASTM D5185m	>25	<1		
Tin ppm ASTM D5185m >15 0	Lead	ppm	ASTM D5185m	>40	0		
Vanadium         ppm         ASTM D5185m         0             Cadmium         ppm         ASTM D5185m         0             ADDITIVES         method         limit/base         current         history1         history2           Boron         ppm         ASTM D5185m         <1             Barium         ppm         ASTM D5185m         0             Molybdenum         ppm         ASTM D5185m         48             Manganese         ppm         ASTM D5185m         0             Magnesium         ppm         ASTM D5185m         822             Calcium         ppm         ASTM D5185m         941             Phosphorus         ppm         ASTM D5185m         908             Sulfur         ppm         ASTM D5185m         1054             Sulfur         ppm         ASTM D5185m         >25         3             Solicon         ppm         ASTM D5185m         >20         0	Copper	ppm	ASTM D5185m	>330	2		
Cadmium         ppm         ASTM D5185m         0             ADDITIVES         method         limit/base         current         history1         history2           Boron         ppm         ASTM D5185m         <1             Barium         ppm         ASTM D5185m         0             Molybdenum         ppm         ASTM D5185m         48             Manganese         ppm         ASTM D5185m         0             Magnesium         ppm         ASTM D5185m         822             Calcium         ppm         ASTM D5185m         941             Phosphorus         ppm         ASTM D5185m         908             Zinc         ppm         ASTM D5185m         1054             Sulfur         ppm         ASTM D5185m         3117             CONTAMINANTS         method         limit/base         current         history1         history2           Solicon         ppm         ASTM D5185m         >20         0	Tin	ppm	ASTM D5185m	>15	0		
ADDITIVES         method         limit/base         current         history1         history2           Boron         ppm         ASTM D5185m         <1	Vanadium	ppm	ASTM D5185m		0		
Boron	Cadmium	ppm	ASTM D5185m		0		
Barium         ppm         ASTM D5185m         0             Molybdenum         ppm         ASTM D5185m         48             Manganese         ppm         ASTM D5185m         0             Magnesium         ppm         ASTM D5185m         822             Calcium         ppm         ASTM D5185m         941             Phosphorus         ppm         ASTM D5185m         908             Zinc         ppm         ASTM D5185m         1054             Sulfur         ppm         ASTM D5185m         3117             CONTAMINANTS         method         limit/base         current         history1         history2           Silicon         ppm         ASTM D5185m         2             Sodium         ppm         ASTM D5185m         2             Potassium         ppm         ASTM D5185m         >20         0             Fuel         %         ASTM D584m         >3         0.1	ADDITIVES		method	limit/base	current	history1	history2
Molybdenum         ppm         ASTM D5185m         48             Manganese         ppm         ASTM D5185m         0             Magnesium         ppm         ASTM D5185m         822             Calcium         ppm         ASTM D5185m         941             Phosphorus         ppm         ASTM D5185m         908             Zinc         ppm         ASTM D5185m         1054             Sulfur         ppm         ASTM D5185m         3117             CONTAMINANTS         method         limit/base         current         history1         history2           Silicon         ppm         ASTM D5185m         2             Sodium         ppm         ASTM D5185m         2             Potassium         ppm         ASTM D5185m         2             Fuel         %         ASTM D3524         >6.0         12.2             INFRA-RED         method         limit/base         current	Roron	D D D	ACTM DE10Em		<1		
Manganese         ppm         ASTM D5185m         0             Magnesium         ppm         ASTM D5185m         822             Calcium         ppm         ASTM D5185m         941             Phosphorus         ppm         ASTM D5185m         908             Zinc         ppm         ASTM D5185m         1054             Sulfur         ppm         ASTM D5185m         3117             CONTAMINANTS         method         limit/base         current         history1         history2           Silicon         ppm         ASTM D5185m         22             Sodium         ppm         ASTM D5185m         2             Potassium         ppm         ASTM D5185m         20         0             Fuel         %         ASTM D3185m         20         0             Soot %         *ASTM D3185m         20         0         12.2            INFRA-RED         method         limit/base         current<	DOTOTI	ppm	ASTIVI DOTOSIII				
Magnesium         ppm         ASTM D5185m         822             Calcium         ppm         ASTM D5185m         941             Phosphorus         ppm         ASTM D5185m         908             Zinc         ppm         ASTM D5185m         1054             Sulfur         ppm         ASTM D5185m         3117             CONTAMINANTS         method         limit/base         current         history1         history2           Silicon         ppm         ASTM D5185m         >25         3             Sodium         ppm         ASTM D5185m         2             Potassium         ppm         ASTM D5185m         >20         0             Fuel         %         ASTM D3524         >6.0         12.2             INFRA-RED         method         limit/base         current         history1         history2           Soot %         %         *ASTM D7844         >3         0.1             Nitration <t< td=""><td></td><td></td><td></td><td></td><td>0</td><td></td><td></td></t<>					0		
Calcium         ppm         ASTM D5185m         941             Phosphorus         ppm         ASTM D5185m         908             Zinc         ppm         ASTM D5185m         1054             Sulfur         ppm         ASTM D5185m         3117             CONTAMINANTS         method         limit/base         current         history1         history2           Silicon         ppm         ASTM D5185m         >25         3             Sodium         ppm         ASTM D5185m         2             Potassium         ppm         ASTM D5185m         20         0            Fuel         %         ASTM D5185m         >20         0             Fuel         %         ASTM D5185m         >20         0             Fuel         %         ASTM D5185m         >20         12.2             Soot %         %         *ASTM D7844         >3         0.1             Nitration         Abs/.1mm <td>Barium</td> <td>ppm</td> <td>ASTM D5185m</td> <td></td> <td>-</td> <td></td> <td></td>	Barium	ppm	ASTM D5185m		-		
Phosphorus         ppm         ASTM D5185m         908             Zinc         ppm         ASTM D5185m         1054             Sulfur         ppm         ASTM D5185m         3117             CONTAMINANTS         method         limit/base         current         history1         history2           Silicon         ppm         ASTM D5185m         >25         3             Sodium         ppm         ASTM D5185m         2             Potassium         ppm         ASTM D5185m         20         0             Fuel         %         ASTM D5185m         >20         0             Fuel         %         ASTM D3524         >6.0         12.2             Soot %         %         *ASTM D7844         >3         0.1             Nitration         Abs/cm         *ASTM D7624         >20         6.3             Sulfation         Abs/.1mm         *ASTM D7415         >30         22.7 <td>Barium Molybdenum</td> <td>ppm ppm</td> <td>ASTM D5185m ASTM D5185m</td> <td></td> <td>48</td> <td></td> <td></td>	Barium Molybdenum	ppm ppm	ASTM D5185m ASTM D5185m		48		
Zinc         ppm         ASTM D5185m         1054             Sulfur         ppm         ASTM D5185m         3117             CONTAMINANTS         method         limit/base         current         history1         history2           Silicon         ppm         ASTM D5185m         >25         3             Sodium         ppm         ASTM D5185m         2             Potassium         ppm         ASTM D5185m         >20         0             Fuel         %         ASTM D3524         >6.0         12.2             INFRA-RED         method         limit/base         current         history1         history2           Soot %         %         *ASTM D7624         >20         6.3             Nitration         Abs/.1mm         *ASTM D7415         >30         22.7             FLUID DEGRADATION         method         limit/base         current         history1         history2           Oxidation         Abs/.1mm         *ASTM D7414         >25         24.7 <td>Barium Molybdenum Manganese</td> <td>ppm ppm</td> <td>ASTM D5185m ASTM D5185m ASTM D5185m</td> <td></td> <td>48 0</td> <td></td> <td></td>	Barium Molybdenum Manganese	ppm ppm	ASTM D5185m ASTM D5185m ASTM D5185m		48 0		
Sulfur         ppm         ASTM D5185m         3117             CONTAMINANTS         method         limit/base         current         history1         history2           Silicon         ppm         ASTM D5185m         >25         3             Sodium         ppm         ASTM D5185m         2             Potassium         ppm         ASTM D5185m         >20         0             Fuel         %         ASTM D3524         >6.0         12.2             INFRA-RED         method         limit/base         current         history1         history2           Soot %         %         *ASTM D7844         >3         0.1             Nitration         Abs/cm         *ASTM D7624         >20         6.3             Sulfation         Abs/.1mm         *ASTM D7415         >30         22.7             FLUID DEGRADATION         method         limit/base         current         history1         history2           Oxidation         Abs/.1mm         *ASTM D7414         >25         2	Barium Molybdenum Manganese Magnesium	ppm ppm ppm ppm	ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m		48 0 822		
CONTAMINANTS         method         limit/base         current         history1         history2           Silicon         ppm         ASTM D5185m         >25         3             Sodium         ppm         ASTM D5185m         2             Potassium         ppm         ASTM D5185m         >20         0             Fuel         %         ASTM D3524         >6.0         12.2             INFRA-RED         method         limit/base         current         history1         history2           Soot %         %         *ASTM D7844         >3         0.1             Nitration         Abs/cm         *ASTM D7624         >20         6.3             Sulfation         Abs/.1mm         *ASTM D7415         >30         22.7             FLUID DEGRADATION         method         limit/base         current         history1         history2           Oxidation         Abs/.1mm         *ASTM D7414         >25         24.7	Barium Molybdenum Manganese Magnesium Calcium	ppm ppm ppm ppm	ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m		48 0 822 941		
Silicon         ppm         ASTM D5185m         >25         3             Sodium         ppm         ASTM D5185m         2              Potassium         ppm         ASTM D5185m         >20         0             Fuel         %         ASTM D3524         >6.0         12.2             INFRA-RED         method         limit/base         current         history1         history2           Soot %         %         *ASTM D7844         >3         0.1             Nitration         Abs/cm         *ASTM D7624         >20         6.3             Sulfation         Abs/.1mm         *ASTM D7415         >30         22.7             FLUID DEGRADATION         method         limit/base         current         history1         history2           Oxidation         Abs/.1mm         *ASTM D7414         >25         24.7	Barium Molybdenum Manganese Magnesium Calcium Phosphorus	ppm ppm ppm ppm ppm	ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m		48 0 822 941 908		
Sodium         ppm         ASTM D5185m         2             Potassium         ppm         ASTM D5185m         >20         0             Fuel         %         ASTM D3524         >6.0         ▲ 12.2             INFRA-RED         method         limit/base         current         history1         history2           Soot %         %         *ASTM D7844         >3         0.1             Nitration         Abs/cm         *ASTM D7624         >20         6.3             Sulfation         Abs/.1mm         *ASTM D7415         >30         22.7             FLUID DEGRADATION         method         limit/base         current         history1         history2           Oxidation         Abs/.1mm         *ASTM D7414         >25         24.7	Barium Molybdenum Manganese Magnesium Calcium Phosphorus Zinc	ppm ppm ppm ppm ppm ppm	ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m		48 0 822 941 908 1054		
Potassium         ppm         ASTM D5185m         >20         0             Fuel         %         ASTM D3524         >6.0         ▲ 12.2             INFRA-RED         method         limit/base         current         history1         history2           Soot %         %         *ASTM D7844         >3         0.1             Nitration         Abs/cm         *ASTM D7624         >20         6.3             Sulfation         Abs/.1mm         *ASTM D7415         >30         22.7             FLUID DEGRADATION         method         limit/base         current         history1         history2           Oxidation         Abs/.1mm         *ASTM D7414         >25         24.7	Barium Molybdenum Manganese Magnesium Calcium Phosphorus Zinc Sulfur	ppm ppm ppm ppm ppm ppm ppm	ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m	limit/base	48 0 822 941 908 1054 3117		
Fuel	Barium Molybdenum Manganese Magnesium Calcium Phosphorus Zinc Sulfur CONTAMINAN	ppm ppm ppm ppm ppm ppm ppm ppm	ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m		48 0 822 941 908 1054 3117 current		    history2
INFRA-RED         method         limit/base         current         history1         history2           Soot %         %         *ASTM D7844         >3         0.1             Nitration         Abs/cm         *ASTM D7624         >20         6.3             Sulfation         Abs/.1mm         *ASTM D7415         >30         22.7             FLUID DEGRADATION         method         limit/base         current         history1         history2           Oxidation         Abs/.1mm         *ASTM D7414         >25         24.7	Barium Molybdenum Manganese Magnesium Calcium Phosphorus Zinc Sulfur CONTAMINAN Silicon	ppm ppm ppm ppm ppm ppm ppm ppm	ASTM D5185m		48 0 822 941 908 1054 3117 current	    history1	   history2
Soot %         %         *ASTM D7844         >3         0.1             Nitration         Abs/cm         *ASTM D7624         >20         6.3             Sulfation         Abs/.1mm         *ASTM D7415         >30         22.7             FLUID DEGRADATION         method         limit/base         current         history1         history2           Oxidation         Abs/.1mm         *ASTM D7414         >25         24.7	Barium Molybdenum Manganese Magnesium Calcium Phosphorus Zinc Sulfur CONTAMINAN Silicon Sodium	ppm	ASTM D5185m	>25	48 0 822 941 908 1054 3117 current 3	    history1	history2
Nitration         Abs/cm         *ASTM D7624         >20         6.3             Sulfation         Abs/.1mm         *ASTM D7415         >30         22.7             FLUID DEGRADATION         method         limit/base         current         history1         history2           Oxidation         Abs/.1mm         *ASTM D7414         >25         24.7	Barium Molybdenum Manganese Magnesium Calcium Phosphorus Zinc Sulfur CONTAMINAN Silicon Sodium Potassium	ppm	ASTM D5185m	>25 >20	48 0 822 941 908 1054 3117 current 3 2 0	    history1	history2
Sulfation         Abs/.1mm         *ASTM D7415         >30         22.7             FLUID DEGRADATION         method         limit/base         current         history1         history2           Oxidation         Abs/.1mm         *ASTM D7414         >25         24.7	Barium Molybdenum Manganese Magnesium Calcium Phosphorus Zinc Sulfur CONTAMINAN Silicon Sodium Potassium	ppm	ASTM D5185m	>25 >20 >6.0	48 0 822 941 908 1054 3117 current 3 2 0 12.2	history1	history2
FLUID DEGRADATION method limit/base current history1 history2  Oxidation Abs/.1mm *ASTM D7414 >25 24.7	Barium Molybdenum Manganese Magnesium Calcium Phosphorus Zinc Sulfur CONTAMINAN Silicon Sodium Potassium Fuel INFRA-RED	ppm	ASTM D5185m	>25 >20 >6.0 limit/base	48 0 822 941 908 1054 3117 current 3 2 0  12.2 current	history1 history1	history2 history2
Oxidation	Barium Molybdenum Manganese Magnesium Calcium Phosphorus Zinc Sulfur CONTAMINAN Silicon Sodium Potassium Fuel INFRA-RED Soot %	ppm	ASTM D5185m ASTM D7844	>25 >20 >6.0 limit/base >3	48 0 822 941 908 1054 3117 current 3 2 0 ▲ 12.2 current 0.1	history1 history1	history2 history2
	Barium Molybdenum Manganese Magnesium Calcium Phosphorus Zinc Sulfur CONTAMINAN Silicon Sodium Potassium	ppm	ASTM D5185m ASTM D7844 *ASTM D7844	>25 >20 >6.0 limit/base >3 >20	48 0 822 941 908 1054 3117 current 3 2 0 ▲ 12.2 current 0.1 6.3	history1 history1	history2 history2
	Barium Molybdenum Manganese Magnesium Calcium Phosphorus Zinc Sulfur CONTAMINAN Silicon Sodium Potassium Fuel INFRA-RED Soot % Nitration Sulfation	ppm	ASTM D5185m ASTM D76185m ASTM D76185m ASTM D7624 *ASTM D7624 *ASTM D76185	>25 >20 >6.0 limit/base >3 >20 >30	48 0 822 941 908 1054 3117 current 3 2 0 ▲ 12.2 current 0.1 6.3 22.7	history1 history1	history2 history2
	Barium Molybdenum Manganese Magnesium Calcium Phosphorus Zinc Sulfur CONTAMINAN Silicon Sodium Potassium Fuel INFRA-RED Soot % Nitration Sulfation	ppm	ASTM D5185m  Method  ASTM D5185m ASTM D7624 *ASTM D7624 *ASTM D7624 *ASTM D7615  method	>25 >20 >6.0 limit/base >3 >20 >30 limit/base	48 0 822 941 908 1054 3117 current 3 2 0 ▲ 12.2 current 0.1 6.3 22.7 current	history1 history1 history1	history2 history2 history2



### **OIL ANALYSIS REPORT**







Laboratory Sample No.

: WearCheck USA - 501 Madison Ave., Cary, NC 27513

Lab Number : 06127398 **Unique Number** : 10941549

: PCA0100581

Received **Tested** Diagnosed

: 25 Mar 2024 : 27 Mar 2024

: 27 Mar 2024 - Wes Davis Test Package: MOB 1 (Additional Tests: FuelDilution, PercentFuel, TBN)

3241 EAST END AVE S CHICAGO HEIGHTS, IL US 60411 Contact: Service Manager

**CHICAGO MARMON** 

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

chicagomarmon@gmail.com T: (708)596-5250

\* - 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)

Contact/Location: Service Manager - CHISCH