BLACKSTONE LABORATORIES

OIL REPORT

LAB NUMBER:
REPORT DATE: 9/28/2018
CODE: 20/32

UNIT ID:
CLIENT ID:
PAYMENT:

UNIT

EQUIP. MAKE/MODEL: Mercedes Benz 3.0L V-6 OM642
FUEL TYPE: Diesel
ADDITIONAL INFO:

OIL TYPE & GRADE: Pennzoil Platinum Euro L 5W/30
OIL USE INTERVAL: 5,480 Miles

CLIENT

PHONE:
FAX:
ALT PHONE:
EMAIL:

COMMENTS

We've had to send out some rough reports today, but this latest one for your MB is anything but that The engine is still wearing well. Aluminum (pistons/bearings) and iron (cylinders/shafts) are at new lows on the page. Chrome (rings) and copper (brass/bronze parts) checked in at just 1-ppm apiece, so metals couldn't get much lower. The flashpoint read a little higher than last time, showing less fuel in the oil, and that's always a pleasant development. There is no other contamination, either from coolant or excess dirt. Great report!

ELEMENTS IN PARTS PER MILLION

		UNIT / LOCATION AVERAGES						UNIVERSAL AVERAGES
MI/HR on Oil	5,480		5,920	6,778	9,322	7,600	7,000	
MI/HR on Unit	165,100		159,620	153,700	146,922	137,600	130,000	
Sample Date	9/7/2018		3/16/2018	10/15/2017	7/18/2017	3/16/2017	11/11/2016	
Make Up Oil Added	0 qts		0 qts	0 qts	0 qts	0 qts	0 qts	
ALUMINUM	3	5	6	4	4	7	7	7
CHROMIUM	1	2	1	2	3	2	1	2
IRON	30	57	34	59	**115**	52	54	66
COPPER	1	2	2	2	2	1	2	3
LEAD	0	0	0	0	1	0	0	1
TIN	0	0	0	0	0	0	0	1
MOLYBDENUM	0	2	1	0	1	2	5	35
NICKEL	0	0	0	0	1	0	0	1
MANGANESE	0	1	1	0	1	1	1	1
SILVER	0	0	0	0	0	0	0	0
TITANIUM	0	1	1	0	0	1	1	1
POTASSIUM	2	3	0	1	4	2	6	6
BORON	48	29	8	54	51	4	9	68
SILICON	3	3	4	3	4	3	3	6
SODIUM	2	5	4	3	4	4	13	6
CALCIUM	1552	1554	1559	1587	1660	1449	1519	1853
MAGNESIUM	8	8	6	8	10	5	9	155
PHOSPHORUS	697	694	732	696	714	667	657	837
ZINC	768	776	745	792	877	736	738	972
BARIUM	0	0	0	0	0	0	0	0

PROPERTIES

		Values Should Be*					
SUS Viscosity @ 210°F	59.9	57-65	62.0	66.5	**65.1**	62.7	60.1
cSt Viscosity @ 100°C	10.18	9.4-11.9	10.79	12.03	**11.64**	10.99	10.25
Flashpoint in °F	**405**	>410	**395**	405	385	**400**	**400**
Fuel %	0.5	<2.0	1.5	<0.5	<0.5	1.0	1.0
Antifreeze %	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Water %	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Insolubles %	0.3	<0.6	0.3	0.2	0.2	0.3	0.4
TBN							
TAN							
ISO Code							

*** THIS COLUMN APPLIES ONLY TO THE CURRENT SAMPLE**

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